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2. EC Declaration of conformity

Maschinenfabrik Möllers GmbH
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Herewith declares that

Machine:	Stretch wrapper
Brand:	**REO PACK**
Type, serial no., year:	JI20.462.711, 2013

-is in conformity with the provisions of the Machinery Directive 2006/42/EC, and with national implementing legislation;

-is in conformity with the provisions of the following other EC Directives:
EN 415-6:2006 + A1:2009, EN 60204-1:2006, EN 619:2002 + A1:2010.

Position:	Manufacturer
Name:	Thorvald Christensen
Company:	**REO PACK** A/S, Denmark

Mariager, August 17, 2013

_____
Thorvald Christensen

3 Safety Instructions

3.1 General

These operating instructions are intended to facilitate use of the machine for its intended purpose. They contain information important for using the machine safely, appropriately and economically. Observing the instructions will help to avoid hazards, reduce necessary repairs and down times and increase the reliability and service life of the machine.

The **REO PACK** palette wrapper may not be used for any other purpose other than it's intended and described purpose. All safety features must be activated and the established regulations observed. Neither operating personnel nor other persons may enter the working area of the stretcher when it is in operation or if the power supply is on. Along with the operating instructions and any accident prevention regulations applicable in the country and location of use, all recognized technical regulations concerning safe and professional operation must also be observed.

3.2 Before Switching the Plant On

Before they switch the plant on, the operating personnel must ensure that no-one is standing within the working range of the wrapping machine or within the safety barriers. They must also ensure that all safety features have been correctly activated. The plant must be switched on as described *(please refer to 4.2 Switching the Plant On)*.

3.3 Operating the Plant

The operating personnel must be familiar with the operation of the plant in both automatic and manual modes. They must be completely familiar with all stop, emergency stop and restart functions. No-one may stand within the dangerous working area of the plant during operation. Safety features such as covers, doors and suchlike may not be removed.

3.4 Servicing the Plant (Inspection and Repair)

Operating and service personnel must ensure that the plant is not in operation, the power supply is switched off and that the plant has been secured against unauthorized or inadvertent restart, and that all moving parts have come to a complete stop. Only then may the working area of the plant be entered. The pallet conveyors (roller and chain conveyors) have not been designed to carry people. The stretcher must only be entered through the safety doors. The personnel must observe the safety instructions in their entirety **before** entering the plant. A reset must be made before the plant is restarted. If necessary, return the plant to its initial state manually or using a Home Run *(please refer to 5.1 Program Reset)*. Safeguard the plant against water, oil and dirt.

Guarantees and liabilities will be void if replacement parts other than those from **REO PACK** are used.

3.5 Emergency Stop

The wrapper is equipped with an emergency-stop circuit with a red signal lamp that indicates when an emergency stop has been activated and a green illuminated push button for a restart.

The emergency stop buttons cut off the power to all drives and switch automatic mode off. An emergency stop will display an error message on the operating console, the green illuminated *'Plant On'* button will go out and the red *'Emergency Stop'* signal lamp will turn on.

Release the emergency stop button and push the green *'Plant On'* button to restart the plant. The button will light green and the red *'Emergency Stop'* signal lamp will go out. Acknowledge the error message and select automatic *(please refer to 5.2 Automatic Mode)* or manual *(please refer to 5.3 Manual)* operating mode.

3.6 Safety Door

The safety door allows the safety area of the plant to be entered. An electromagnetic lock keeps it closed when the plant is in operation. In order to enter the plant, deactivate the wrapper automatic mode and push the door button to release the door lock. The button's green LED will indicate whether the locks have been released. If the LED is blinking, this indicates that the release has been activated but is not yet complete; if it is lit, then the doors can be opened. The main contactors are switched off while the safety door is open or unlocked. When open, the door lock can be locked with a padlock, preventing it from closing and the plant from being switched on. This enables service and repair work to be carried out safely on the plant while preventing inadvertent re-start.

To restart the plant after the door has been opened, close the door and again press the door button. The LED will go out. Start the plant by pushing the green illuminated *'Plant On'* button and select the mode of operation required, automatic *(please refer to 5.2 Automatic Mode)* or manual *(please refer to 5.3 Manual)*.

3.8 Entering the Stretcher to Replace a Roll of Foil

The plant must often be entered in the course of normal operation on order to replace the stretch foil and the cover sheet foil *(please refer to 7 Replacing the Foils)*.

4 Description of the Method of Operation

4.1 Description of the Machine

The pallet conveyor consists of a rotary disk with a roller conveyor and a motor-driven foil holder and a fixed column, the tower. The tower has a foil carriage, which move vertically. The foil carriage carries the foil up and down while the pallet is wrapped.

4.2 Switching the Plant On

- Turn the main switch to position 'I'.
- The *'Emergency Stop'* lamp will light up.
- Release the emergency stop and switch on the controls with the green illuminated *'Plant On'* button.
- The *'Plant On'* signal lamp will light up. The plant has been energized.
- If the plant cannot be switched on even though the emergency stop button has been released, this suggests that either an external emergency stop has been triggered, the safety light barrier has been triggered or that the safety door is open.
- If you wish to operate the plant in automatic mode, please refer to *5.2 Automatic Mode.*
  If you wish to operate the plant in manual mode, please refer to *5.3 Manual* **.**

Acknowledge any error messages that may be displayed by pressing briefly the **ACK** button. The plant can be completely reset by a program reset if this should be required. To do this, press the reset button until after approx. 3 seconds the message *Reset* or *Home Run* appears in the text display, or until the button blinks. No reset can be made in automatic mode *(please refer to 5.1 Program Reset)*.

4.3 Restart

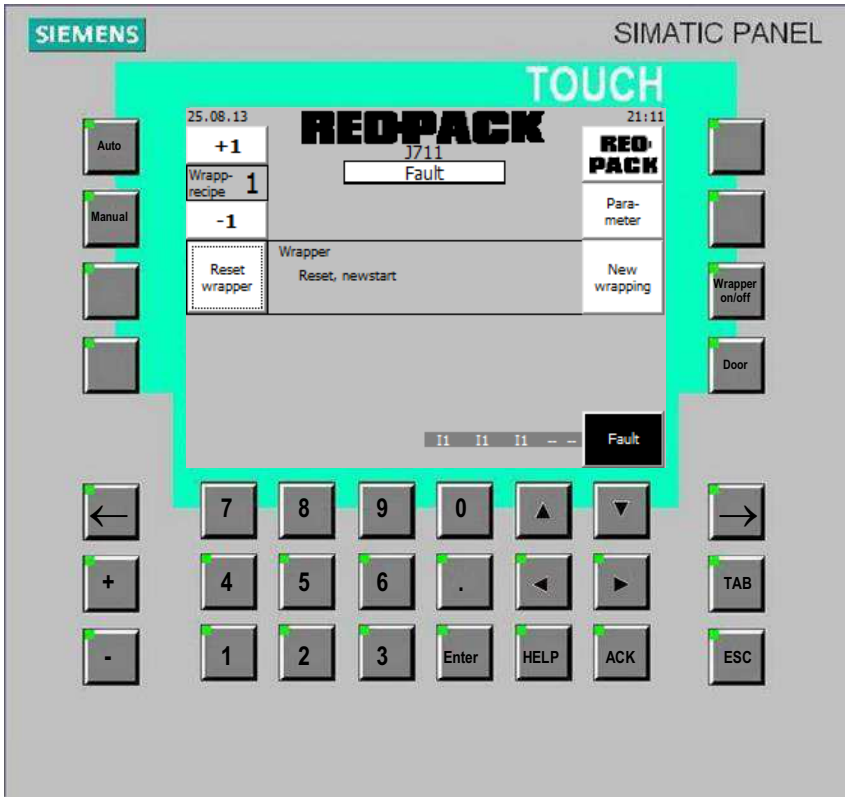
The following moving parts must be in their initial position:

- **The Turntable**
  0 degree position, foil holder/sealing unit immediately at the tower.
- **The Filmguide**
  Below, activating the lower limit switch.
- **The filmholder/Weldingdevice**
  Closed, retaining the foil.
- **The Topclamp plate**
  Above, activating the upper limit switch.

If an error message should be displayed, please refer to *6 Errors*.

5 The Operating Panel

The diagram shows the operating field in the start condition. The OP is equipped with a touchscreen. a touch-sensitive surface. Function keys displayed on it can be pressed to activate them. The date is displayed in the upper left-hand corner, the time in the upper right-hand corner. The **REO·PACK** logo is displayed in the middle of the upper row and beneath it the machine number and the operating status. Operating status messages are *Reset*, *Home Run* and *Error*. If no message is displayed, the pallet counter will be displayed instead. The **REO·PACK** button is located to the right, as are further buttons for selecting a program sequence after a program reset. The number of the active sequence is displayed on the left, as is the reset button to reset the programs. The steps in the program are shown as numbers and text next to the reset button. Some of the buttons are only shown and operable if required.



The outer left and right buttons beneath the display have arrows. If their LEDs are lit, further menu pages can be accessed. When pressed, the display will display the previous or the subsequent page. Buttons with the following functions can be found on the page shown above, the start page:

+1 **-1** Pressing one of these buttons will select a program sequence that determines how the pallets will be wrapped. The number of the sequence selected is displayed between the two button descriptions. A sequence can only be selected if no pallet is being wrapped. (Option)

REO | PACK Pressing this button will call up a page on which the company address and the machine number are displayed. System functions can be called up from this page that allow REO-PACK maintenance personnel to load new software and adjust system parameters.

Para-meter Call up the pages in which the parameter sets (sequences) and parameters can be altered (please refer to *5.4* Parameter menu).

Reset Wrapper The wrapper program will be reset if this button is pressed and held for three seconds, if the machine is not in automatic mode. The text of this button will blink and the wrapper will return to its initial position *(Home-Run, please refer to 5.1 Program Reset)*.

New wrapping **Wrapper outlet** After a wrapper program reset, this button can be used to decide whether a pallet currently placed in the wrapper should be re-wrapped or should be ejected.

Fault Displays triggered, already acknowledged error messages *(please refer to 6 Errors)*. This symbol and the function are only active if there are triggered, already-acknowledged error messages.

The functions assigned to the buttons outside of the screen are permanent and are independent of the page displayed on the screen.

Auto This button turns the wrapper *Automatic Mode* on and off. *Automatic Mode* can only be activated if there are no errors in the wrapper working area. The button LED indicates whether *Automatic Mode* is active or not *(please refer to 5.2 Automatic Mode)*.

Manual This button turns the wrapper *Manual Mode* on and off. It interrupts the wrapper *Automatic Mode*. In manual mode, the screen will display a page containing a series of buttons that allow movements to be performed automatically. The button LED indicates whether *Manual Mode* is active or not. *Manual Mode* can be switched off again by pressing the button once more or by activating *Automatic Mode*, resulting in the start page being displayed on the screen *(please refer to 5.3 Manual)*.

Wrapper on/off This button turns the wrapper on and off. In the off state, pallets are conveyed through the wrapper without being wrapped.

Door This button locks and unlocks the door to the safety area. If the button's green LED is lit, this indicates that the door is unlocked and that all machine parts within the area have been switched off load-side. Release is delayed *(please refer to 3.6 Safety Door)*.

If the door button LED is lit, the door to the safety area has been released. If it blinks rapidly, the button has been pressed and a release has been requested; if it blinks slowly, the door has been released but this release has not been requested by pressing the button. Press the button once more to re-lock the door.

5.1 Program Reset

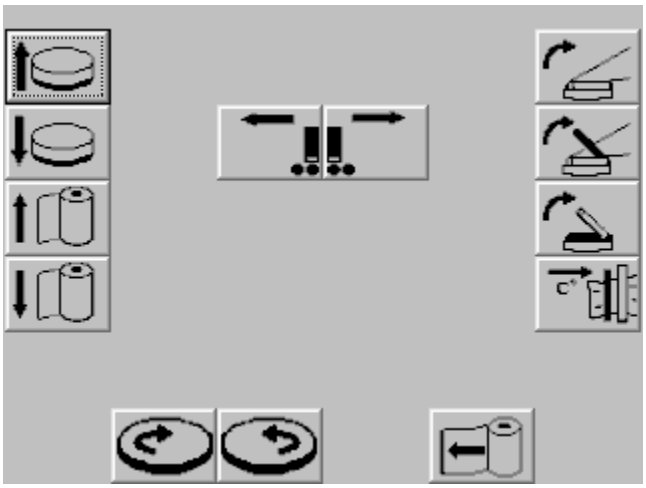
If you wish to reset the program, and if you want to return all moveable parts to their initial position, press and hold the Reset button until the message *Reset* or *Home Run* appears in the text display. The plant will then return to its initial position. A window will appear in the display during the Home Run, indicating all of the drives that have not yet returned to their initial position *(please refer to the diagram under 5 The Operating Panel)*. This procedure can be interrupted by pressing the buttons for manual, auto or **ACK** or **ESC**. The message *Home Run* will be displayed in the text display while the plant is returning to its initial position.

5.2 Automatic Mode

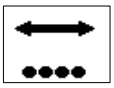
Automatic Mode is switched on and off by pressing the button for automatik. In *Automatic Mode*, the controller program executes a sequence of steps that, in their totality, perform the wrapping of a pallet. *Automatic Mode* can be interrupted and then continued at any time. The operating mode is displayed on the screen and the respective button's LED will be lit. The program can be reset *(please refer to 5.1 Program Reset)* and re-started. This allows a pallet to be rewrapped, using new settings if required.

5.3 Manual Mode

5.3.1 Wrapper manual



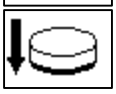
Manual Mode is switched on and off by pressing the button for manual drift. The button's LED will light up when activated and the text display will change to the manual menu. This shows the function key assignment. The program will be interrupted in manual mode and the movement of the individual drives can be controlled by the corresponding buttons. If an on going program should be interrupted by switching to manual mode, any moveable parts whose position was altered during manual operation must be returned to their original position before switching back to automatic mode. The manual operation menu has several pages. The arrow buttons can be used to switch to the previous or to the subsequent page.



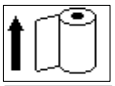
Moves the roller conveyor either forwards as long as the button remains pressed and the outlet roller-conveyor is empty, or backwards until the illuminated intake button is covered by a pallet.



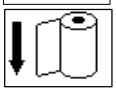
By pressing this button, the topclamp runs up until it‘s in top position or the button is released.



By pressing this button, the topclamp runs up until it‘s in top position or the button is released.



Moves the foil carriage upwards as long as the button remains pressed and it has not reached its upper end position.



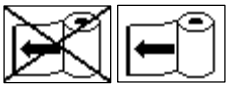
Moves the foil carriage downwards as long as the button remains pressed and it has not reached its lower end position.



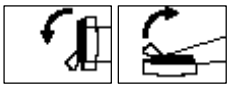
Rotates the rotary disk forwards as long as the button remains pressed and has not entered one of its rest positions.



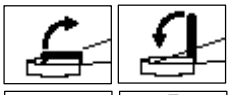
Rotates the rotary disk backwards as long as the button remains pressed and has not entered one of its rest positions.



Filmtransport only in used by service.



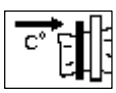
By pressing the button the welder unit will go up. The picture shows what happens by pressing the button.



Welding plate Open/Close. By pressing this button the Welding plate will open if it is closed, or close if it is open. The picture shows what happens by pressing the button.

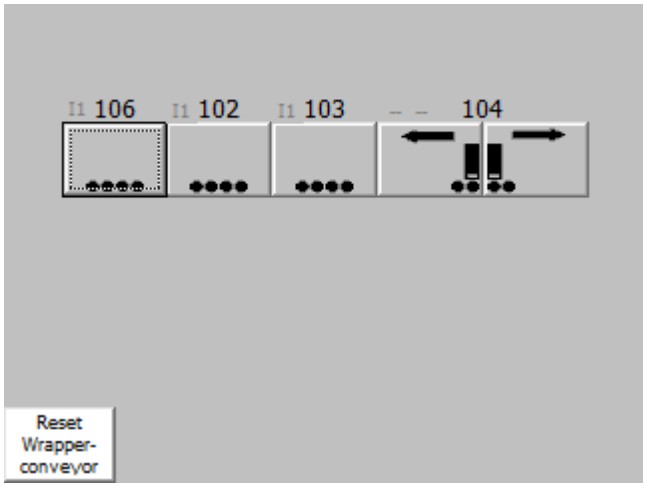


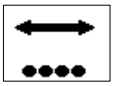
Filmretainer Open/Close. By pressing this button the Weldingplate will Open if it is closed, or close if it is open. The picture shows what happens by pressing the button.



If welding plate and welder unit is up and pressing this button the unit will proform a welding and cutting.

5.3.2 Conveyor manual





Moves the roller conveyor either forwards as long as the button remains pressed and the outlet roller-conveyor is empty, or backwards until the illuminated intake button is covered by a pallet.

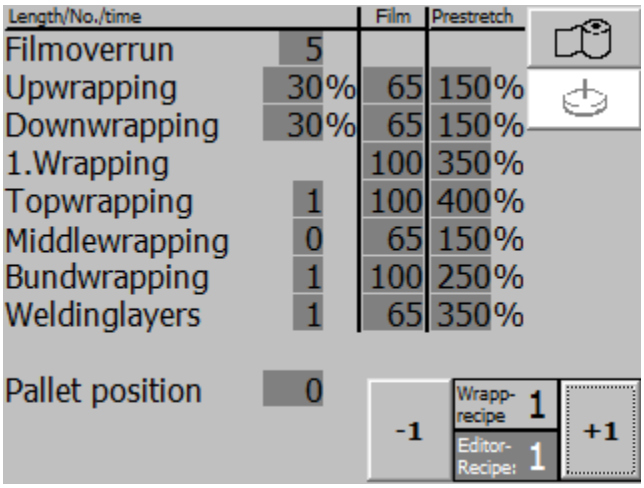
Reset Wrapper-conveyor

The conveyor programs will be reset if this button is pressed and held for three seconds. At the conveyor buttons flashed the text ‚Reset‘.

5.4 Parameter menu

The parameter menu can be called up by pressing the **Para** button in the start menu. It is several pages long. The arrow buttons can be used to move to the subsequent or the previous page. Press the **ESC** button to exit the menu.

5.5 Parameter setting



The first page of the parameter menu displays the settings of a parameter set. The cursor can be moved to the input field required by using the cursor keys or by touching that field. A new value can be entered using the numerical keys and is taken over by pressing **Enter**. The **+1** key will display the next parameter set, the **-1** key will display the previous one. The number of the parameter set displayed is shown above the keys.

The parameter items from *Wrapping* to *Sealing Layers* have entries for foil slowing, foil quantity and foil stretching for the times at which the program processes these items. This allows different foil values to be entered for different points in time. The value for quantity is a relative value relative to the maximum possible quantity (100%). The stretching sets the elongation of the foil (100% = no stretching, 200% = doubling, etc.).

Filmoverrun
The height to which the foil should be wrapped above the upper end of the pallet. This results in the wrapped foil folding over the edge of the pallet surface**.**

Upwrapping
This value sets the overlap of the wrapping layers during wrapping. The greater the value, the slower the speed of the foil carriage (30% - 70%).

Downwrapping
This value sets the overlap of the wrapping layers during unwinding. The greater the value, the slower the speed of the foil carriage (30% - 70%).

1.Wrapping
Used to set different foil values for the first wrapping layer at the bottom. This is intended to ease the strain on the first layer when wrapping difficult wooden pallets.

Topwrapping
Sets the number of layers to be wrapped at the upper end of the pallet (1-9).

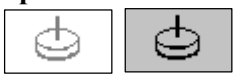
Middlewrapping
Sets the number of layers to be wrapped at the center of the pallet (0-9).

Bundwrapping
Sets the number of layers to be wrapped at the lower end of the pallet (1-9).

Weldinglayers
Sets the number of layers to be wrapped in the weldingplate. All this layers would be welded (1-3).

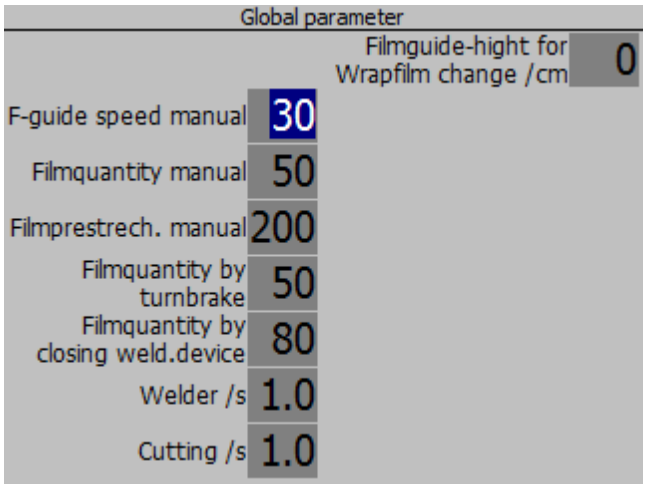
Pallet position
This parameter is a delay for the stop point of pallet by inlet.

Optionsswitches



By pressing this button, the topclamp-procedure in this recipe switched on / off.

5.6 Global Parameters



The cursor can be moved to the input field required by using the cursor keys or by touching that field. A new value can be entered using the numerical keys and is taken over by pressing **Enter**.

F-guide speed manual
The speed with which the foil carriage can be moved in manual mode.

Filmquantity manual
The quantity of foil used in manual mode when the rotary disk is rotating and a palette is positioned on the wrapper.

Filmprestretch manual
Prestretch while the rotary disk is rotated in manual mode**.**

Filmquantity by turnbrake
The quantity of foil used in last seconds of turning turntable after wrapping. So it is adjustable how strong the film shall be by cutting and welding**.**

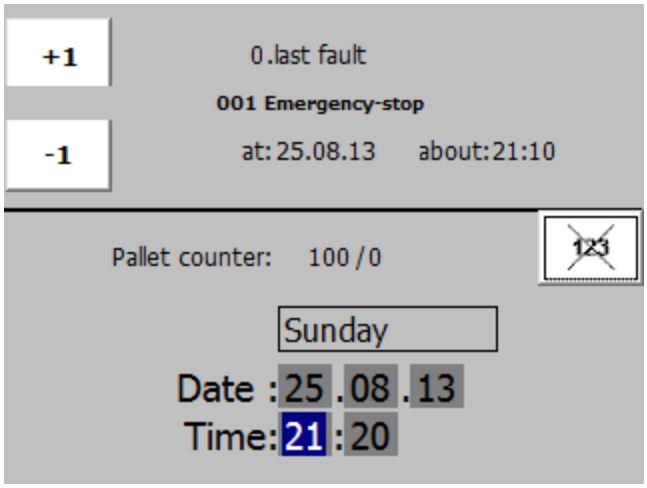
Filmquantity by closing weld.device
The quantity of foil used by closing welding device after cutting and welding. The foil must be spending by closing welding device.

Welder /s (time)
The welding time is the time in which the film is being welded**.**

Cutting /s (time)
The cutting time is the time in which the cutting wire is burning the film**.**

Filmguide parkway
The height of foil carriage under topsheet-lift, so that the topsheet can be wrapped in, if the carriage re-started at the pallet-height.

5.7 Error protocol /Date/Pallet counter



This page allows the display language to be changed, the time and date to be set, the palette counter to be reset and the error protocol to be viewed. To enter the time and date, move the cursor to the required input field by using the cursor keys or by touching that field. A new value can be entered using the numerical keys and is taken over by pressing Enter.

+1 -1 Scrolls between the last 20 errors in the error protocol.

123 Reset of resettable pallet counter. The cumulative counter remains unchanged.

6 Errors

6.1 What to do in case of an error

1. Read the error message in the text display.
2. Press the ACK button to acknowledge the error. If the error should be displayed again, press the Error button on the start page.
3. Rectifying the error.
4. Press the ACK button to clear the error
5. Continue the program by pressing the Auto button.

6.2 Error Messages

001 Emergency stop

The emergency stop has been triggered. Unlock and release it.

009 Motor- or frequency converter

A motor circuit breaker has been triggered or a frequency converter has developed a fault. Call an electrician.

010 Security door opened

The door to the safety area is open or unlocked.
Close and lock the door *(please refer to 3.6 Safety Door)*.

014 Pressair fault

The compressed air pressure at the sealing unit is not sufficiently high.
Have technical personnel rectify the fault.

017 Filmguide not in home-position

The foil carriage is not in its lower end position. Move it into its lower end position.

018 Filmguide run pulse missed

Call an electrician. Check the proximity switch at the drive motor and
adjust or replace if necessary.

021 Wrappfilm empty or broken

The wrapping foil is torn or has been used up.
Replace if necessary *(please refer to 7.1 Wrapper Foil)*.

025 Topclamp not in upper height

The topclamp plate (holding down clamp) is not on pallet (package). Bring it into position manually.

026 Topclamp not on package

The topclamp plate (holding down clamp) is not at its upper end position. Bring it into position manually.

030 Turndevice not in 0°

Move the rotary disk into its initial position.

032 Timecontrol wrapper step:###

The time required for several steps in the wrapping process are monitored. If these times should be exceeded an error message will be given along with the corresponding step-number.

033 Filmholder not opened

Open the filmholder manually.

034 Filmholder not closed

Open the filmholder manually.

035 Welding device not in home-position

Welding plate is not down, bring the down in manual. Check Reed contact if it is still
not working.

036 Welding plate not in home-position

Welding plate is not down, bring the down in manual. Check Reed kontakt if it is still
not working.

038 Cutwire broken

The cut wire is broken, please check and replace with a new cut wire.
Call an electrician.

039 Weldingwire broken

The Welding wire is broken, please check and replace with a new Weldingwire.

041 Welding device not in welding position

If the end of wrap film shall be welded, the welding device and the welding plate must be opened. Open both parts manually and be sure, that the film would be fixed in the filmholder.

049 Pallet not in correct position

The palette is incorrectly placed on the roller conveyor.
Position the palette correctly if necessary.

050 Pallet inlettime too long

The preset time for the palette intake has been exceeded.

051 Pallet outlettime too long

The preset time for the palette outlet has been exceeded.

053 Turndevice not in inletposition

Move the rotary disk into the intake position.

054 Turndevice not in outletposition

Move the rotary disk into the outlet position.

055 Inlet not free

The rotary disk intake sensor is covered.

056 Outlet not free

The rotary disk outlet sensor is covered.

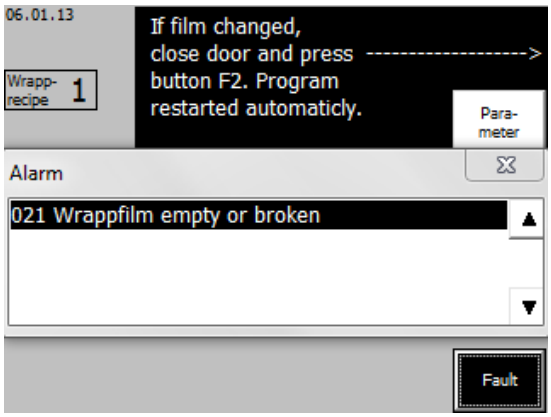
08.. Inlettime too long by conveyor ….

The preset time for the palette intake on this conveyor has been exceeded. Maybe the pallet is damaged or blocked.

7 Replacing the Foils

7.1 Wrapper Foil

7.1.1 Automatically when used up



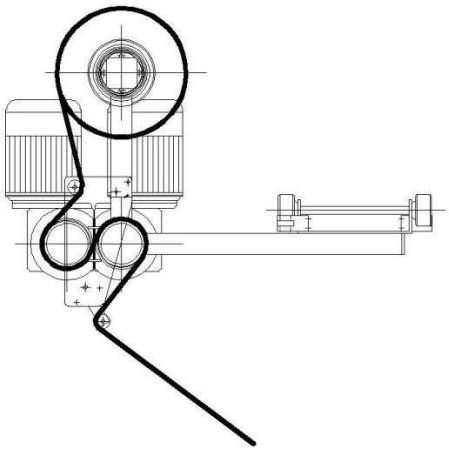
1. The wrapper monitors the run of the foil during wrapping. If it registers that no foil is running, then the foil is either torn or used up. The controller will register an 'empty' error and will move the rotary disk into its 0° position and the foil carriage down..
2. Open the safety door.
3. Draw the ends of the foil through the foil carriage rollers *(see the figure below)*.
4. Insert the end of the foil into the foil holder.
5. Close the safety door.
6. Switch on the control voltage and press the **F2** button.
7. Now turn the plant back on by pressing the auto button. The machine will begin to re-wrap the palette from the start

7.1.2 Manually, with no 'empty' message

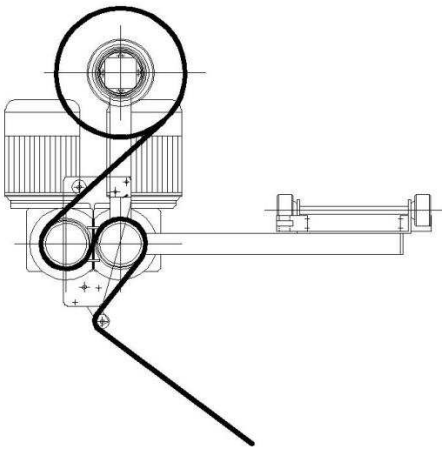
1. The rotary disk must be in the 0° position. Move it into position manually if necessary.
2. Move the foil carriage upwards into its initial position, tilt the sealing unit and close the foil holder.
3. Open the safety door.
4. Draw the ends of the foil through the foil carriage rollers *(see the figure below)*.
5. Close the door of the foil carriage and insert the end of the foil into the foil holder.
6. Close the safety door.
7. Switch on the control voltage and acknowledge the error message by pressing the ACK button.
8. Perform a Home Run (*please refer to **5.1** Program Reset*).
9. Turn on Automatic Mode by pressing the auto button.

Please use only foil from brand-name manufacturers.

Material: LLDPE (Linear Low Density Polyethylene). If the material is adhesive on one side it should be inserted such that the adhesive side faces towards the palette.



Inserting foil adhesive on the outside.



Inserting foil adhesive on the inside.

For reasons of safety, this procedure may be carried out by one single person only

1. Index

1. Index 1

2. Stretch wrapper 2

3. General 4

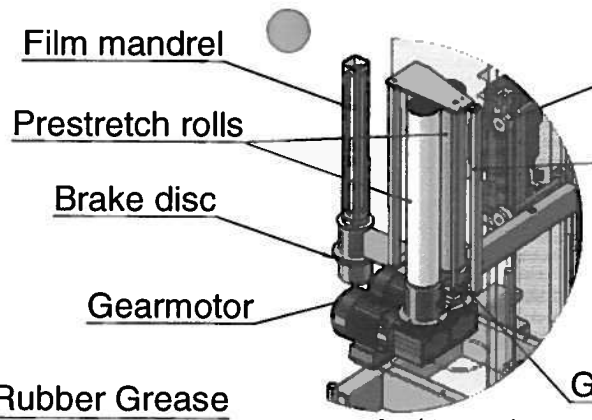
2. Stretch wrapper

- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____

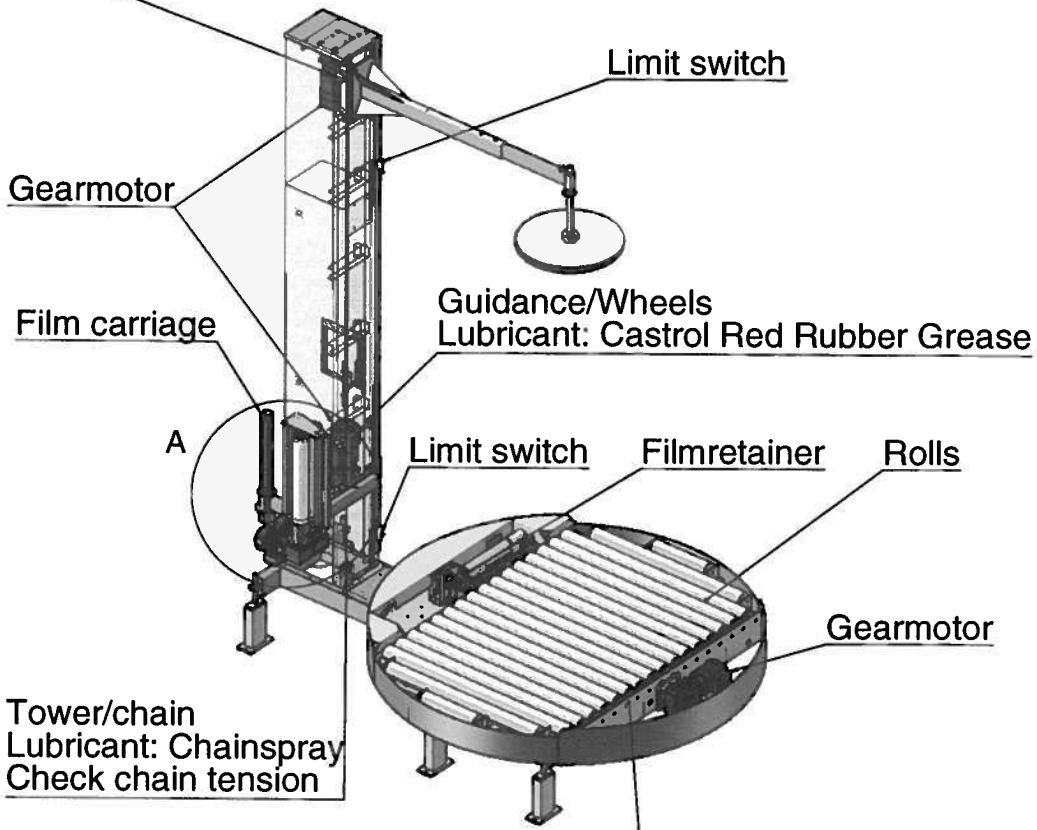
Machine part	25.000 pallets	Init.	50.000 pallets or every 6 month	Init.	75.000 pallets	Init.	100.000 pallets or once a year	Init.
Bottomframe: Main bearing	Visual control outside. Lubricate inside		Visual control outside. Lubricate inside		Visual control outside. Lubricate inside		Visual control outside. Lubricate inside	
Rolls on conveyor	Visual control Replace if damaged		Visual control Replace if damaged		Visual control Replace if damaged		Visual control Replace if damaged	
Chains on turntable conveyor	Visual control Tighten up if slack Lubricate		Visual control Tighten up if slack Lubricate		Visual control Tighten up if slack Lubricate		Visual control Tighten up if slack Lubricate	
Tower / Chain for film carriage and topclamp	Visual control Tighten up if slack Lubricate		Visual control Tighten up if slack Lubricate		Visual control Tighten up if slack Lubricate		Visual control Tighten up if slack Lubricate	
Tower Guidance for wheels	Visual control Lubricate		Visual control Lubricate		Visual control Lubricate		Visual control Lubricate	
Film carriage Gas compression spring	Visual control Replace if slack or any leaks		Visual control Replace if slack or any leaks		Visual control Replace if slack or any leaks		Visual control Replace if slack or any leaks	
Film carriage Wheels	Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn	
Film carriage Brake disc	Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn	

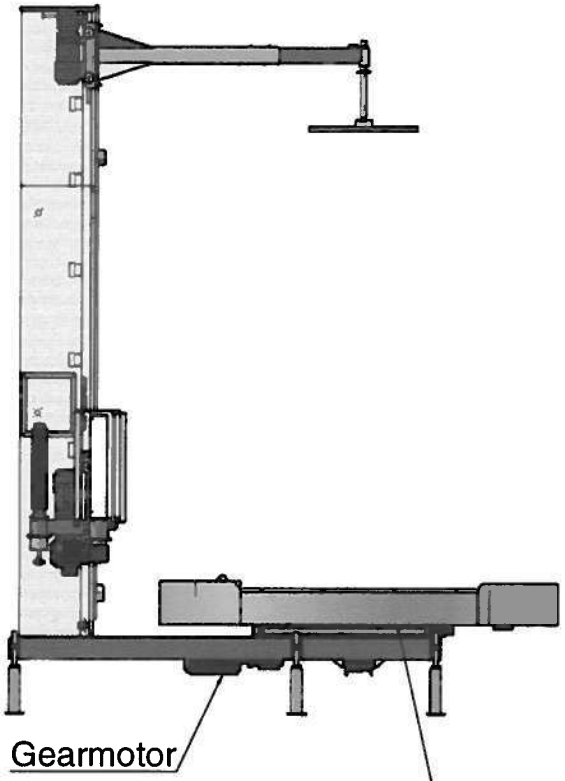
Machine part	25.000 pallets	Init.	50.000 pallets or every 6 month	Init.	75.000 pallets	Init.	100.000 pallets or once a year	Init.
Film carriage Prestretch rolls	Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn	
Retaining system Shaft	Visual control Lubricate		Visual control Lubricate		Visual control Lubricate		Visual control Lubricate	
Retaining system Cutting wire	Visual control Replace if looks burned out		Visual control Replace if looks burned out		Visual control Replace if looks burned out		Visual control Replace if looks burned out	
Retaining system Welding wires	Visual control Replace if looks burned out		Visual control Replace if looks burned out		Visual control Replace if looks burned out		Visual control Replace if looks burned out	
Teflon tape covering welding wires	Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn		Visual control Replace if worn	
Welding plate	Visual control Remove film fractions		Visual control Remove film fractions		Visual control Remove film fractions		Visual control Remove film fractions	
Spring	Visual control Replace if slack		Visual control Replace if slack		Visual control Replace if slack		Visual control Replace if slack	

All motors see gearunit maintenance catalogue



A (1 : 10)





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Tolerances: DS/ISO 2768

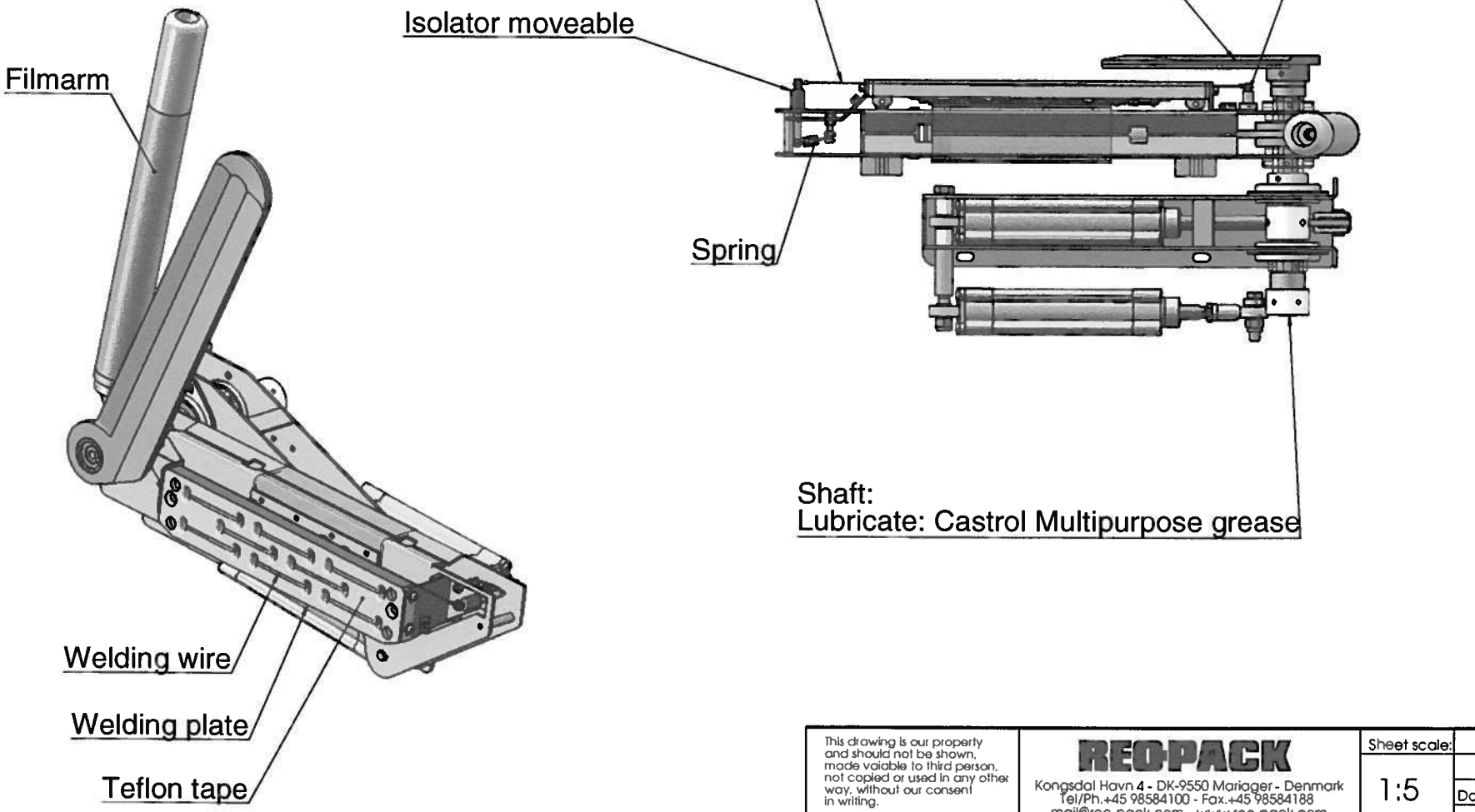
mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

J2000 ISS (SEW)
Maintenance

Sheet scale:		Surf:	
1:20		Date:	Sign.
	Date:	07-06-13	mr
	Kontr.		

Hgr.	Sgr.	Serial No:	rev.
070	01	0052ES	

A2



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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

Filmretainer L-R
J2000
Longitudinal threads

Sheet scale:		Surf:	
		Date:	Sign.
1:5	Date:	01.10.12	hn
	Repl.		

Hgr.	Sgr.	Serial No:	rev.
060	02	0064ES	

S:\060-Salg\02-Montage undersamlinger\060-02-0064 Grbe_Svejse System J2000 ISS

A3

3. General

- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____
- Engineer_____ Initials_____ Engineer_____ Initials_____

Machine part	25.000 pallets	Init.	50.000 pallets or every 6 month	Init.	75.000 pallets	Init.	100.000 pallets or once a year	Init.
Photocells	Visual control Clean Replace if damaged		Visual control Clean Replace if damaged		Visual control Clean Replace if damaged		Visual control Clean Replace if damaged	
Proximity switches	Visual control Replace if damaged		Visual control Replace if damaged		Visual control Replace if damaged		Visual control Replace if damaged	
Limit Switches	Visual control Replace if damaged		Visual control Replace if damaged		Visual control Replace if damaged		Visual control Replace if damaged	
Compressed air hoses	Visual control for leaks and damage. Replace if damaged.		Visual control for leaks and damage. Replace if damaged.		Visual control for leaks and damage. Replace if damaged.		Visual control for leaks and damage. Replace if damaged.	
Compressed air connections	Visual control Check tension of bolt connections. Re-tighten		Visual control Check tension of bolt connections. Re-tighten		Visual control Check tension of bolt connections. Re-tighten		Visual control Check tension of bolt connections. Re-tighten	
Venting filter	Visual control Drain water		Visual control Drain water		Visual control Drain water		Visual control Drain water	

REO-PACK
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9550 Mariager
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Fax.: +45 98 58 41 88

Customer	:Möllers
Plant designation	:
Drawing number	:J20.462.711
Commission	:

Manufacturer (cie>)	:REO-PACK
End Customer	:Technicas reunidas
Mounting site	:
Project name	:
Type	:J2000ISS & R2000
Modelyear	:2013
Supply	:3 x 480 Vac + PE / 60 Hz
Control Voltage	:24 Vdc
PLC	:Siemens S7-315-2PN/DP / OP177B
Frequency Inverter	:Lenze E8400

Created the	:27-05-2013	by (abr.):	SCN	Highest page nbr.	: 1059
Changed on the	:21-08-2013	by (abr.):	SCN	Number of pages	: 134

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3	Table of contents	04-07-2013	SCN	21-08-2013	SCN	
4	Table of contents	04-07-2013	SCN	21-08-2013	SCN	
5	Table of contents	04-07-2013	SCN	04-07-2013	SCN	
6	Table of contents	26-06-2013	SCN	21-08-2013	SCN	
8	Info	27-05-2013	SCN	17-06-2013	SCN	
9	Info	27-05-2013	SCN	17-06-2013	SCN	
10	Powersupply	27-05-2013	SCN	21-08-2013	SCN	
11	Powersupply 24Vdc	28-05-2013	SCN	21-08-2013	SCN	
20	PLC	27-05-2013	SCN	21-08-2013	SCN	
30	Emergency stop	27-05-2013	SCN	21-08-2013	SCN	
40	Door wrapper	27-05-2013	SCN	25-06-2013	SCN	
62	Distribution PE	27-05-2013	SCN	21-08-2013	SCN	
64	Distribution 24 Vdc	27-05-2013	SCN	21-08-2013	SCN	
66	Distribution 0 Vdc	27-05-2013	SCN	21-08-2013	SCN	
68	Distribution 24 Vdc after Emergency Stop	27-05-2013	SCN	17-06-2013	SCN	
80	Valve ISS	27-05-2013	SCN	21-08-2013	SCN	
100	Mains ISS	27-05-2013	SCN	21-08-2013	SCN	
101	Mains	27-05-2013	scn	23-07-2013	scn	
110	Mains	29-05-2013	scn	23-07-2013	scn	
130	Turntable	27-05-2013	SCN	25-06-2013	SCN	
131	Filmcarriage	27-05-2013	SCN	21-08-2013	SCN	
132	Filmquantiy	27-05-2013	SCN	21-08-2013	SCN	
133	Prestretch	27-05-2013	SCN	26-06-2013	SCN	
134	Conveyor on Wrapper	27-05-2013	SCN	04-07-2013	SCN	
200	Input 0.0 - 0.7	27-05-2013	SCN	04-07-2013	SCN	
201	Input 1.0 - 1.7	27-05-2013	SCN	18-06-2013	SCN	
202	Input 2.0 - 2.7	27-05-2013	SCN	04-07-2013	SCN	
203	Input 3.0 - 3.7	17-06-2013	SCN	17-06-2013	SCN	

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205	Input 5.0 - 5.7	27-05-2013	SCN	25-06-2013	SCN	
208	Input 8.0 - 8.7	27-05-2013	SCN	21-08-2013	SCN	
209	Input 9.0 - 9.7	27-05-2013	scn	23-07-2013	scn	
300	Output 0.0 - 0.7	27-05-2013	SCN	17-06-2013	SCN	
301	Output 1.0 - 1.7	27-05-2013	SCN	17-06-2013	SCN	
304	Output 4.0 - 4.7	27-05-2013	SCN	17-06-2013	SCN	
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308	Output 8.0 - 8.7	27-05-2013	scn	23-07-2013	scn	
309	Output 9.0 - 9.7	27-05-2013	SCN	17-06-2013	SCN	
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401	Analog Input PEW 324 - PEW 326	27-05-2013	SCN	21-08-2013	SCN	
402	Analog Output PAW 320 - PAW 322	27-05-2013	SCN	21-08-2013	SCN	
410	Analog Output PAW 324 - PAW 326	27-05-2013	SCN	17-06-2013	SCN	
500	Signal Exchange	27-05-2013	SCN	25-06-2013	SCN	
505	Signal Exchange	27-05-2013	SCN	25-06-2013	SCN	
600	Controlpanel	27-05-2013	SCN	21-08-2013	SCN	
610	Plate 480 Vac	27-05-2013	SCN	21-08-2013	SCN	
611	Plate 24 Vdc	17-06-2013	SCN	04-07-2013	SCN	
700	Parts list	21-08-2013	SCN	21-08-2013	SCN	
701	Parts list	18-06-2013	SCN	18-06-2013	SCN	
702	Parts list	04-07-2013	SCN	04-07-2013	SCN	
703	Parts list	04-07-2013	SCN	04-07-2013	SCN	
800	Terminal-strip overview : ==CNV=F+10-X1 - ==CNV=F+24-X23	04-07-2013	SCN	04-07-2013	SCN	
810	Terminal diagram : ==CNV=F+10-X1	17-06-2013	SCN	17-06-2013	SCN	
811	Terminal diagram : ==CNV=F+10-XPE	21-08-2013	SCN	21-08-2013	SCN	
812	Terminal diagram : ==CNV=F+10-XL4.1	25-06-2013	SCN	25-06-2013	SCN	
813	Terminal diagram : ==CNV=F+10-XL4.1	21-08-2013	SCN	21-08-2013	SCN	
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1011	Cable diagram : ==CNV=F+24-W110	04-07-2013	SCN	04-07-2013	SCN	
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1014	Cable diagram : ==CNV=F+24-W113	18-06-2013	SCN	18-06-2013	SCN	

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1018	Cable diagram : ==CNV=F+24-W1190	18-06-2013	SCN	18-06-2013	SCN	
1019	Cable diagram : ==CNV=F+24-W3110	25-06-2013	SCN	25-06-2013	SCN	
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1023	Cable diagram : ==CNV=F+24-W4110	25-06-2013	SCN	25-06-2013	SCN	
1024	Cable diagram : ==CNV=F+24-W4111	25-06-2013	SCN	25-06-2013	SCN	
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1026	Cable diagram : ==CNV=F+24-W31120	25-06-2013	SCN	25-06-2013	SCN	
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1036	Cable diagram : ==CNV=F+24-WB11	18-06-2013	SCN	18-06-2013	SCN	
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1039	Cable diagram : ==CNV=F+24-WB14	18-06-2013	SCN	18-06-2013	SCN	
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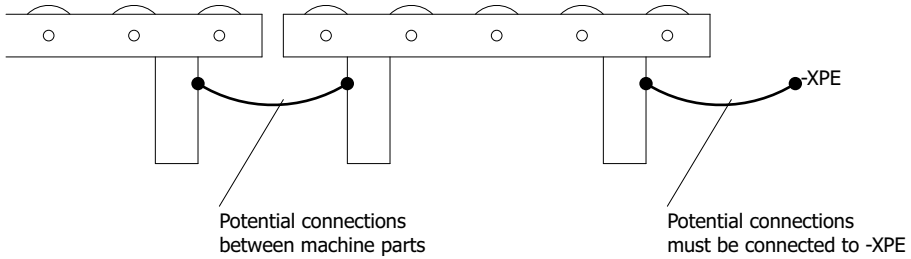
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1049	Cable diagram : ==CNV=F+24-WM4	26-06-2013	SCN	26-06-2013	SCN	
1050	Cable diagram : ==CNV=F+24-WM5	18-06-2013	SCN	18-06-2013	SCN	
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1054	Cable diagram : ==DCO=F+24-W31160	23-07-2013	scn	23-07-2013	scn	
1055	Cable diagram : ==DCO=F+24-W34160	23-07-2013	scn	23-07-2013	scn	
1056	Cable diagram : ==DCO=F+24-W37160	23-07-2013	scn	23-07-2013	scn	
1057	Cable diagram : ==DCO=F+24-WB5	21-08-2013	SCN	21-08-2013	SCN	
1058	Cable diagram : ==DCO=F+24-WB6	21-08-2013	SCN	21-08-2013	SCN	
1059	Cable diagram : ==DCO=F+24-WB7	23-07-2013	scn	23-07-2013	scn	

Potential binding

Potential connections are made with 6 mm² yellow/green wires between all machine parts.
Connections must be securely fastened wtih a screw
The drawing is only to show the princip.



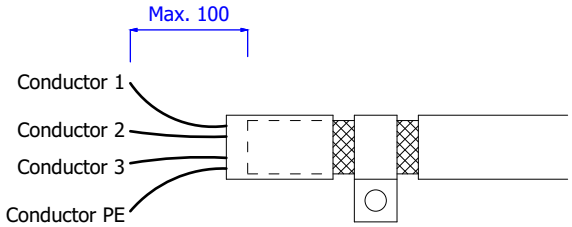
Cable conductors without connections

On cables where there are conductors without connection points
the additional conductors are to be bent back along the cable
and/or the connected conductors and tied with cable ties.

Shielded cables

When junctions are made in metal boxes, EMC cable glands are to be used

When junctions are made in plastic boxes with metal plates, the shield must to be fastend to the plate as illustrated



Wirecoulors

Mains 400 Vac	:	Black (bk)	min. 2,5 mm²
Neutral	:	Light blue (libu)	min. 2,5 mm²
Erth protection wire	:	Green/yellow (gn/ye)	min. 2,5 mm²
Control voltage 24 Vdc	:	Blue (bu)	min. 0,5 mm²
Control voltage 230 Vac	:	Red (rd)	min. 2,5 mm²
Potiontal free	:	Orange (og)	min. 1,5 mm²

Wirecoulors are according to MÖLLERS information

Wires are marked with the Compoments terminal number

Cablenumbers

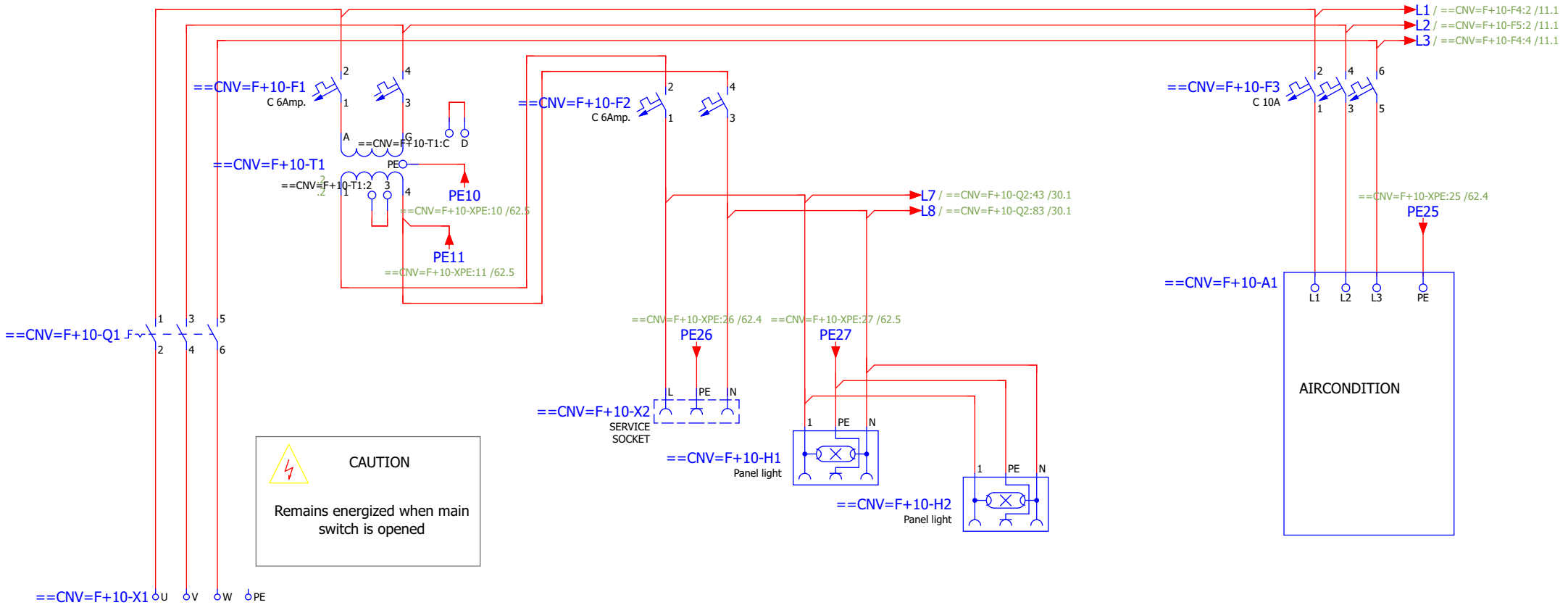
Cabels are numbered according to
MÖLLERS standard

Component numbers

Components are numbered according to
MÖLLERS standard

Potential names

Mains	:	L1, L2, L3
Mains after Emergency Stop	:	L1A, L2A, L3A, / L1B, L2B, L3B
Neutral	:	N
Erth protection wire	:	PE
Control voltage 24 Vdc	:	L4.1
Control voltage 24 Vdc after Emergency Stop	:	L4.2
Control voltage 0 Vdc	:	L5
Control voltage 24 Vac	:	24Vac
Control voltage 0 Vac	:	0Vac
Control voltage 230 Vac	:	230Vac
Control voltage 0 Vac	:	N



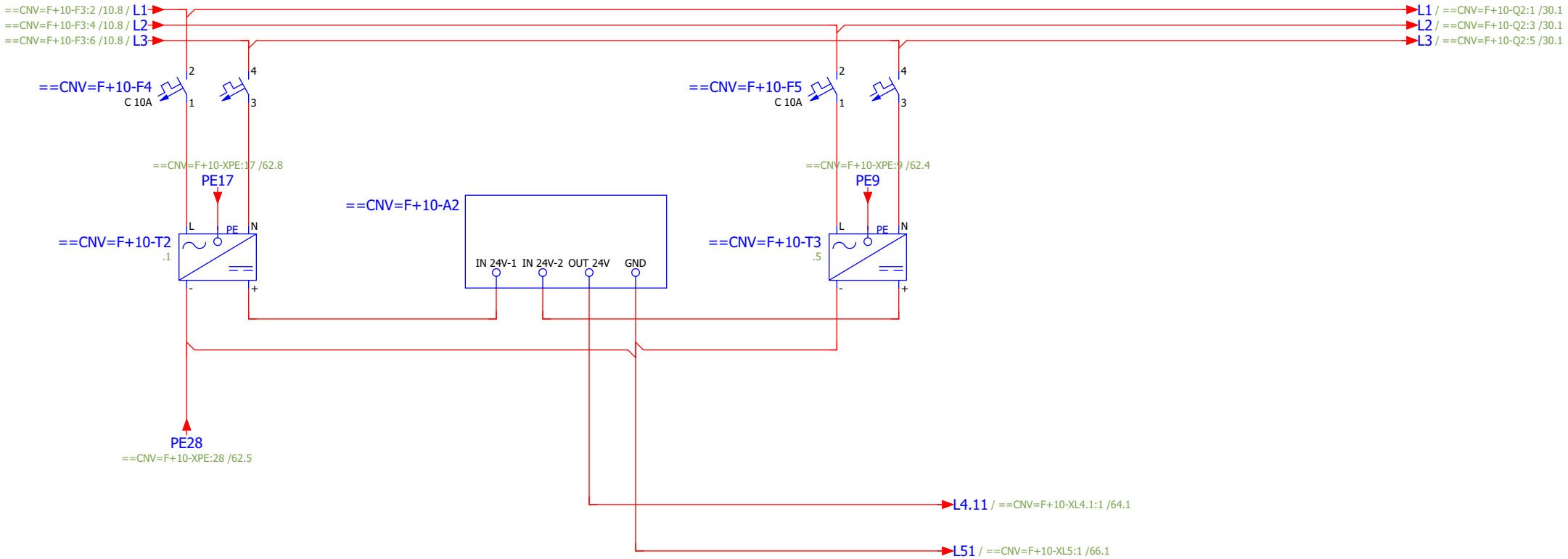
SUPPLY

3 X 480 Vac + PE / 60 Hz
MAX. 32 Amp.
KABEL 6-10 MM2
IK max. 6 kA.

DATA FOR NAMEPLATE

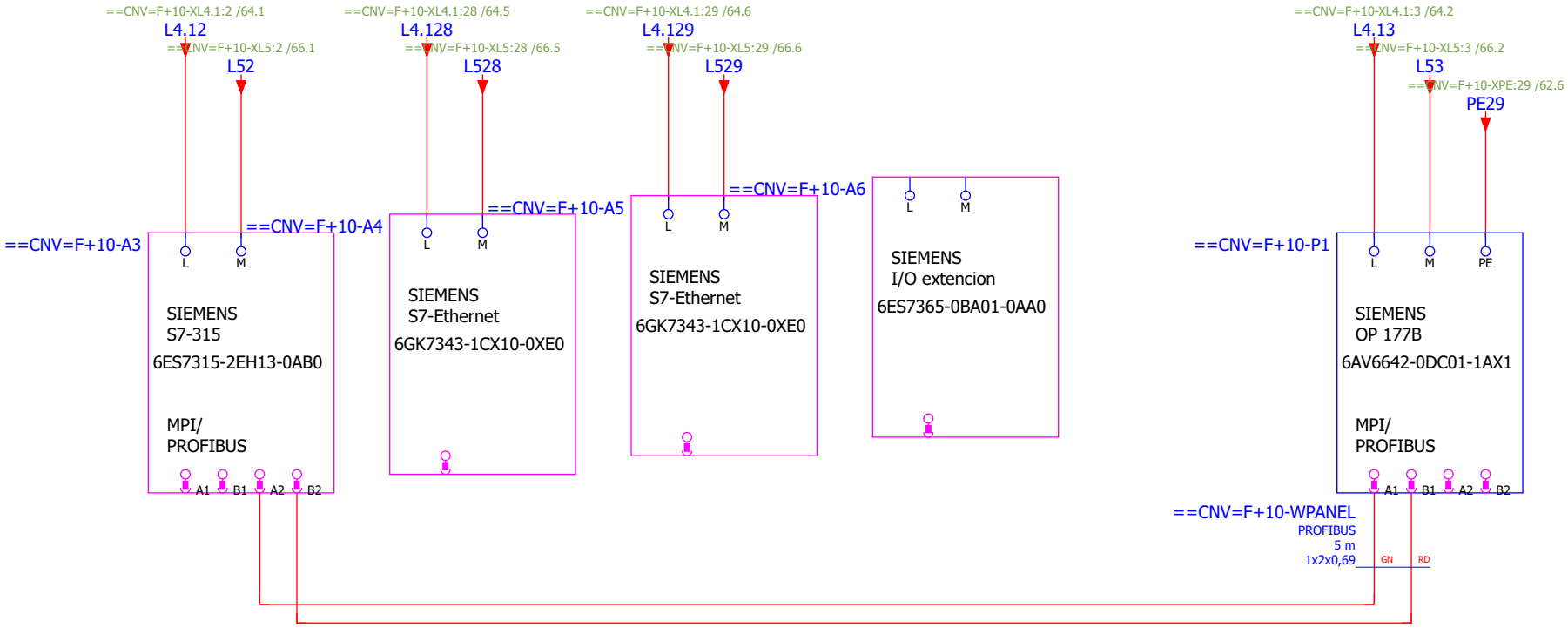
TYPE:	J 2000ISS	07-2013	
No:	J20.462.711	60	Hz
V:	3X480Vac + PE	5	Kw
A:	15	54	IP

Projekt started on	27-05-2013	Möllers	REO-PACK	Powersupply	J20.462.711	=
Rev. Date	21-08-2013		Kongsdal Havn 4			+
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B
Init.	SCN		Tlf: +45 98 58 41 00			Page no. 10
9 Previus Page		This page is proberty of REO-PACK A/S and must not be copied og given to third person whitout our accept in writeing			Numb of Pages 134	Next Page 11

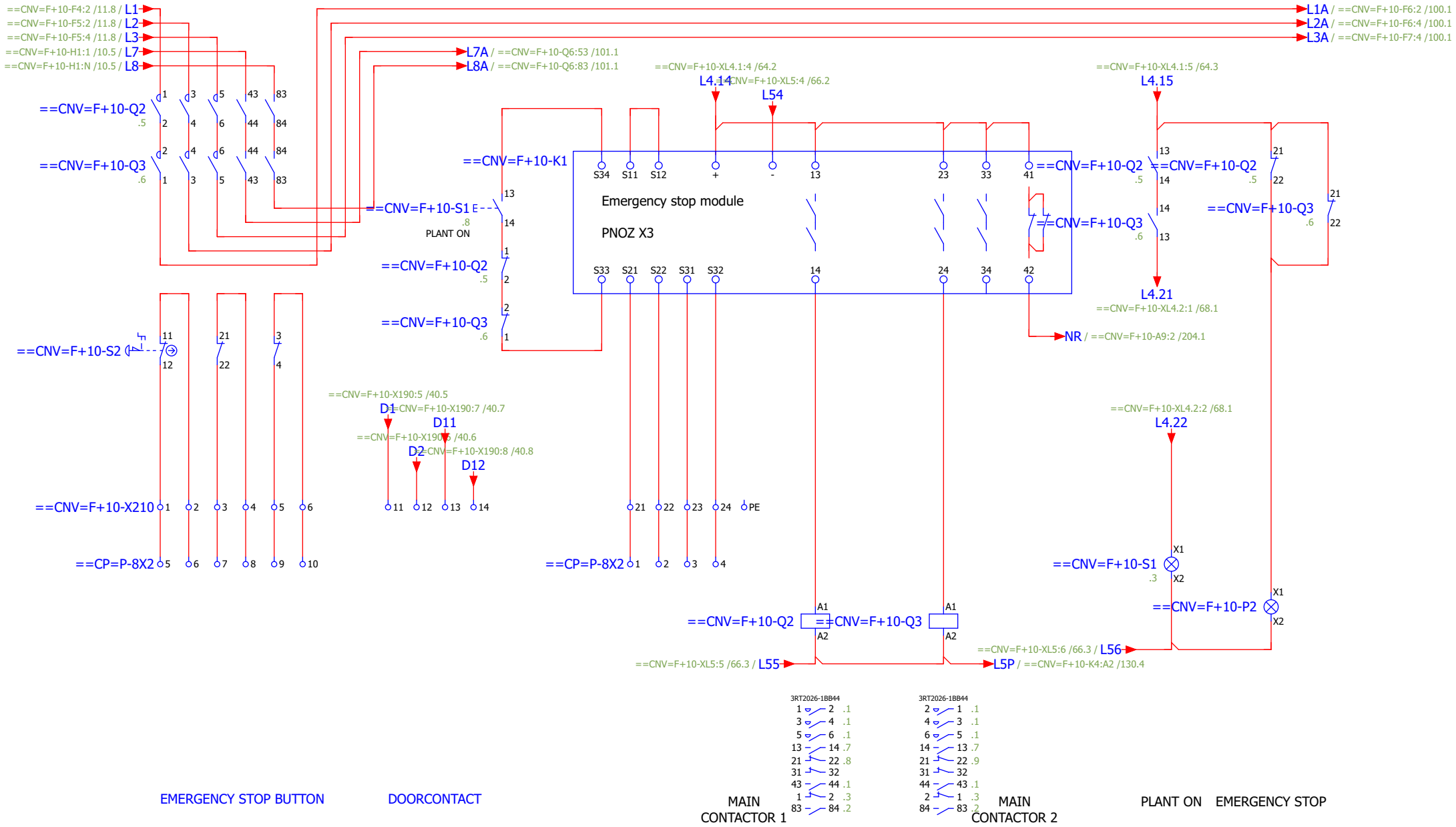


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Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 11
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				

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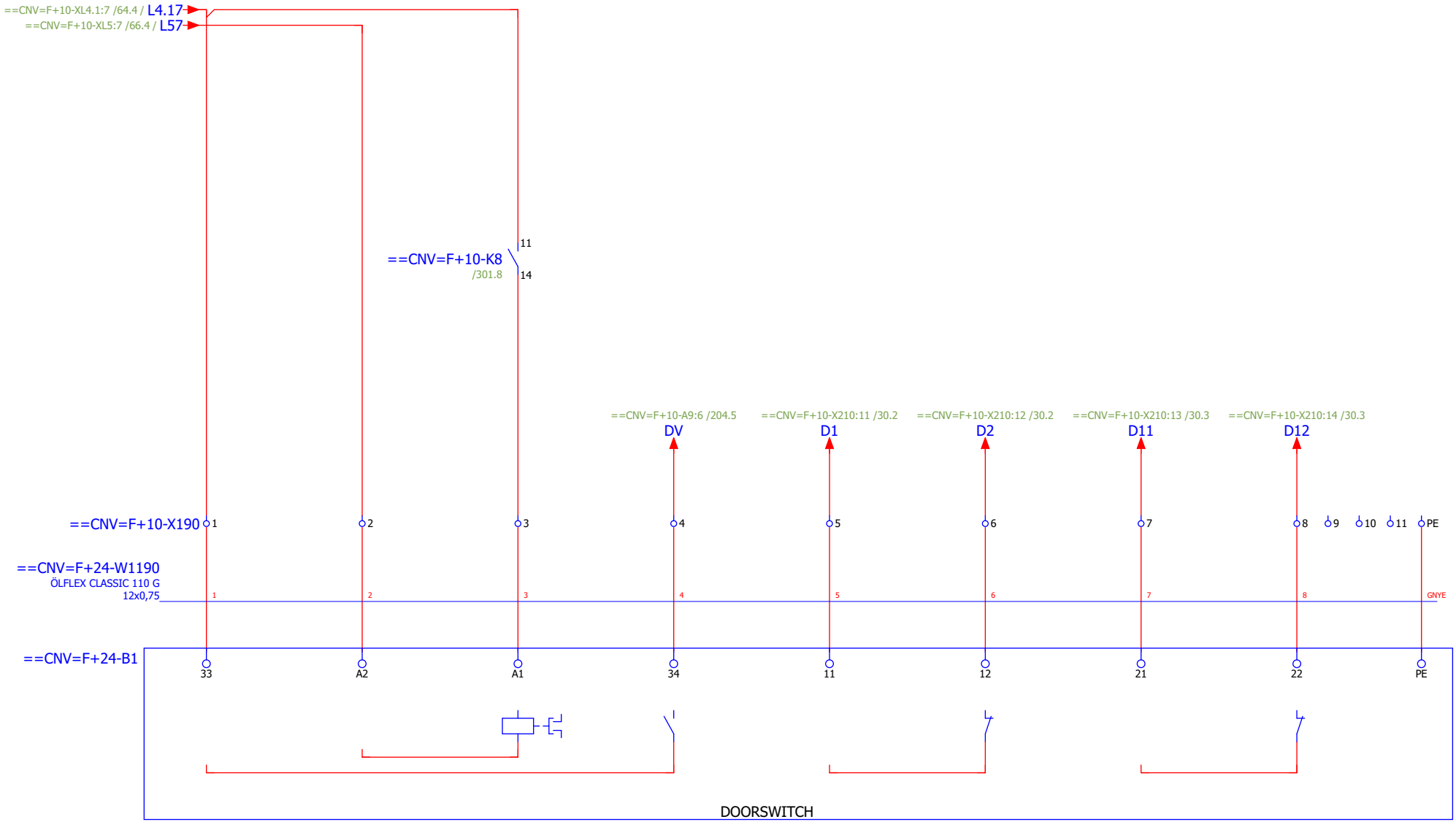


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Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 20
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				
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Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 30
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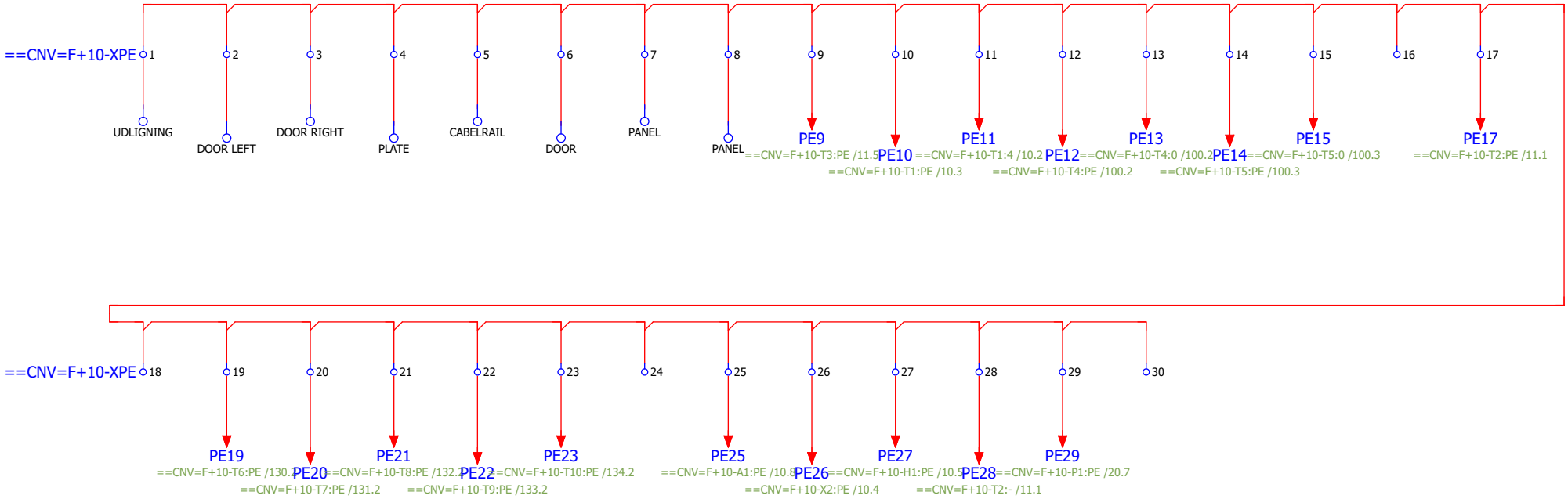
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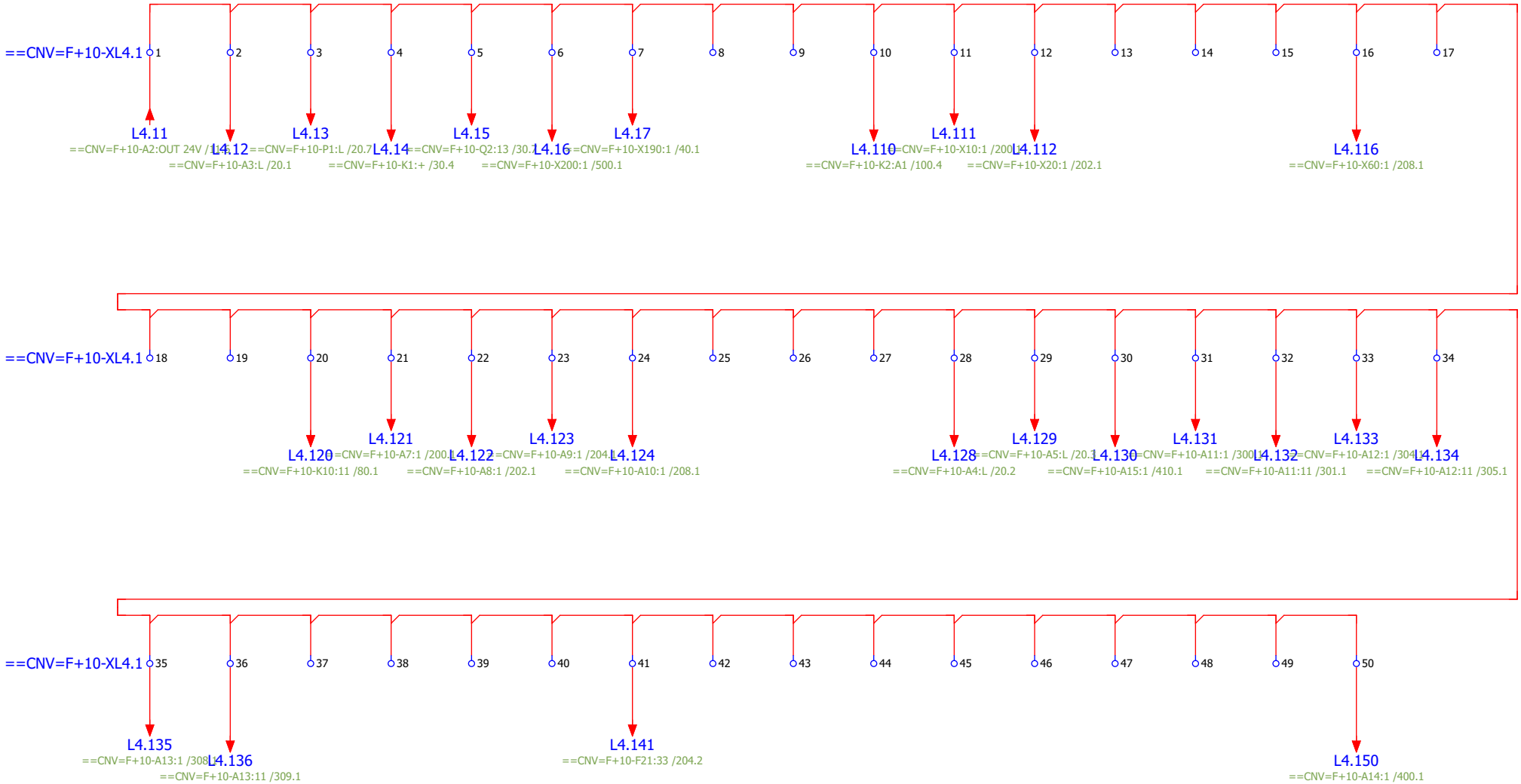
DOOR WRAPPER

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Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 40
Init.	SCN		Tlf: +45 98 58 41 00				

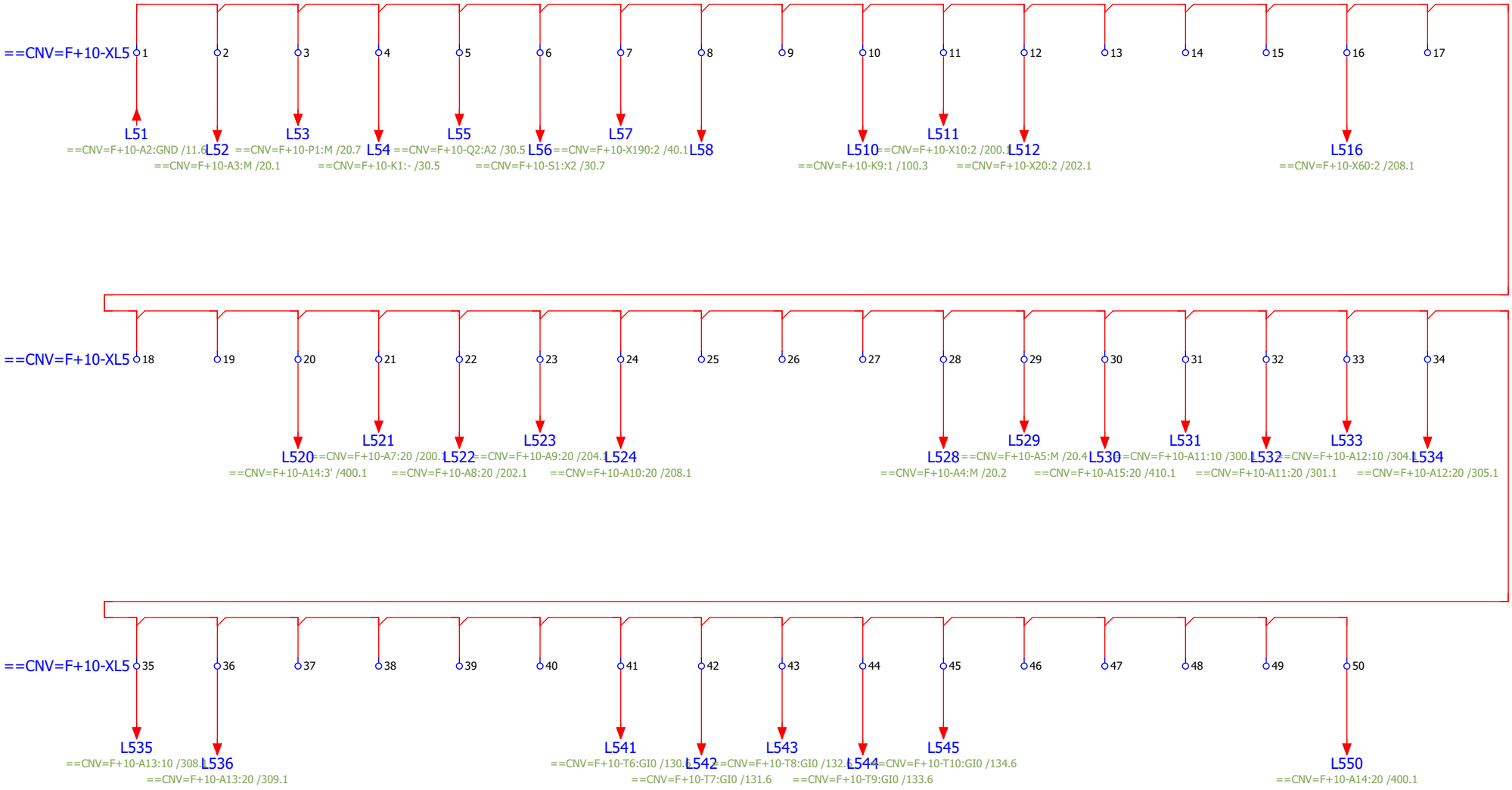
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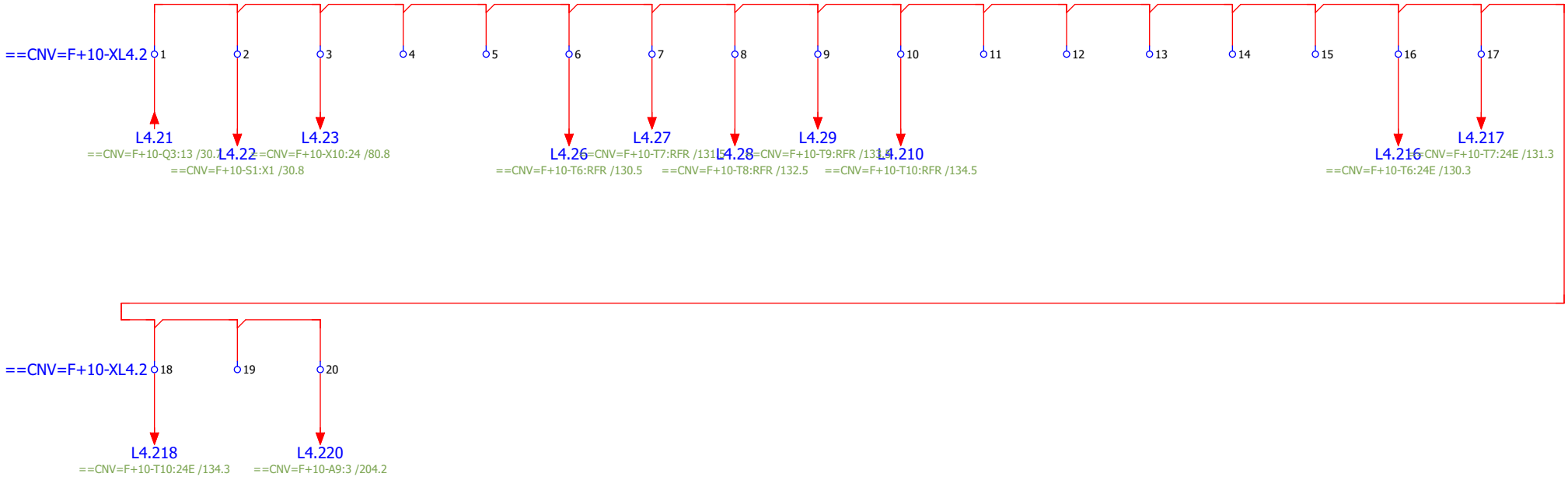
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Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				
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Projekt started on	27-05-2013	Möllers	REO-PACK	Distribution 24 Vdc	J20.462.711	=	
Rev. Date	21-08-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 64
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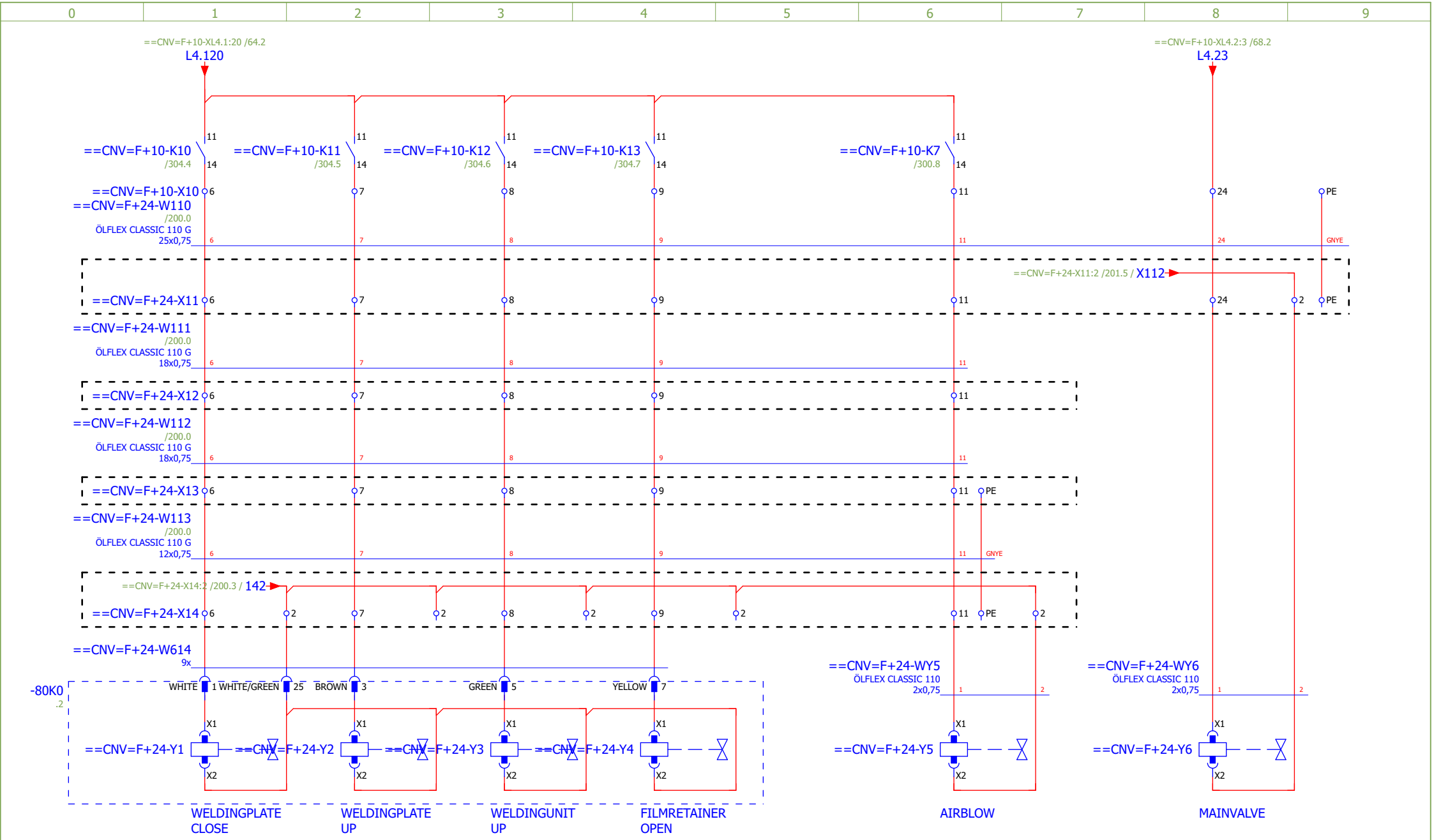


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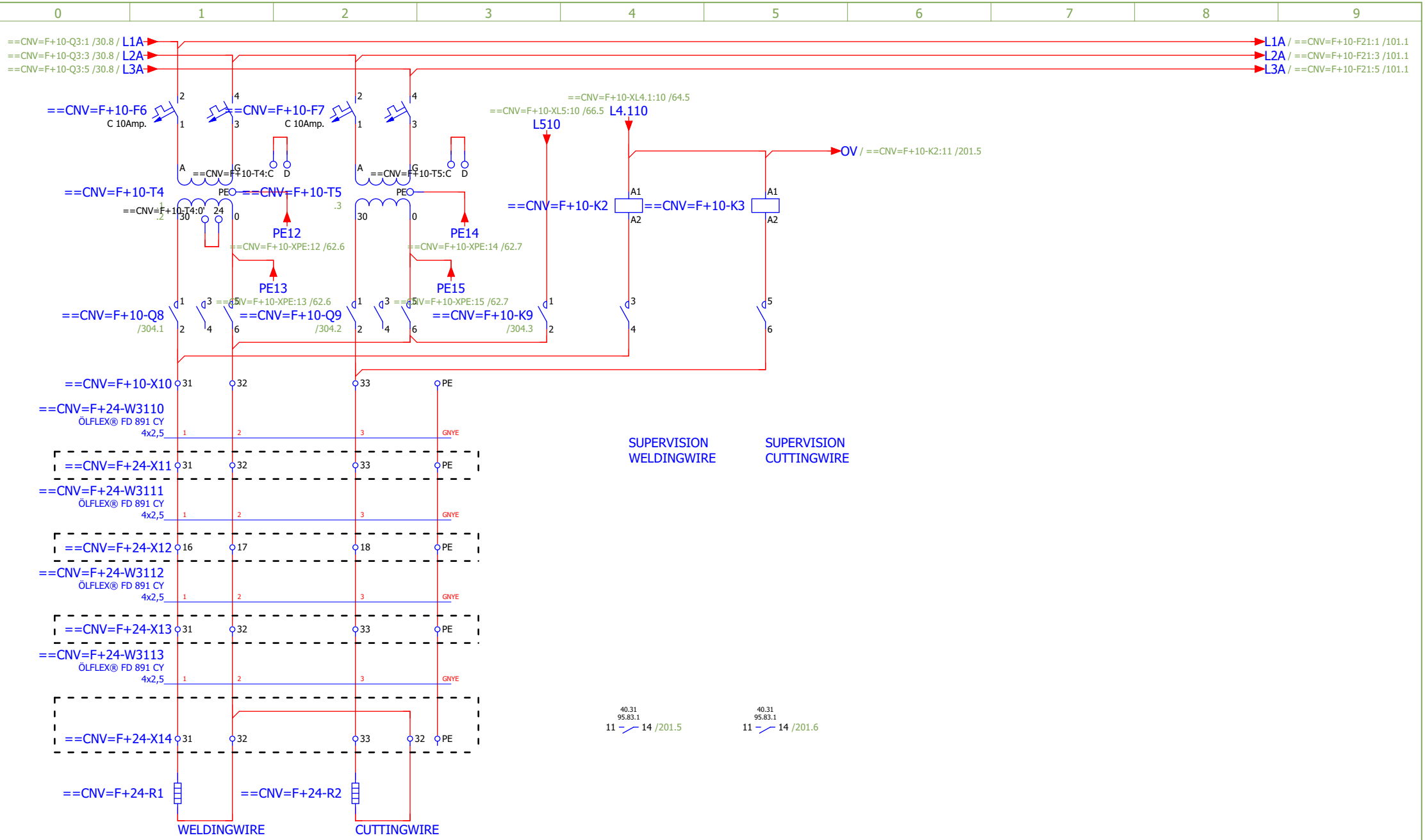


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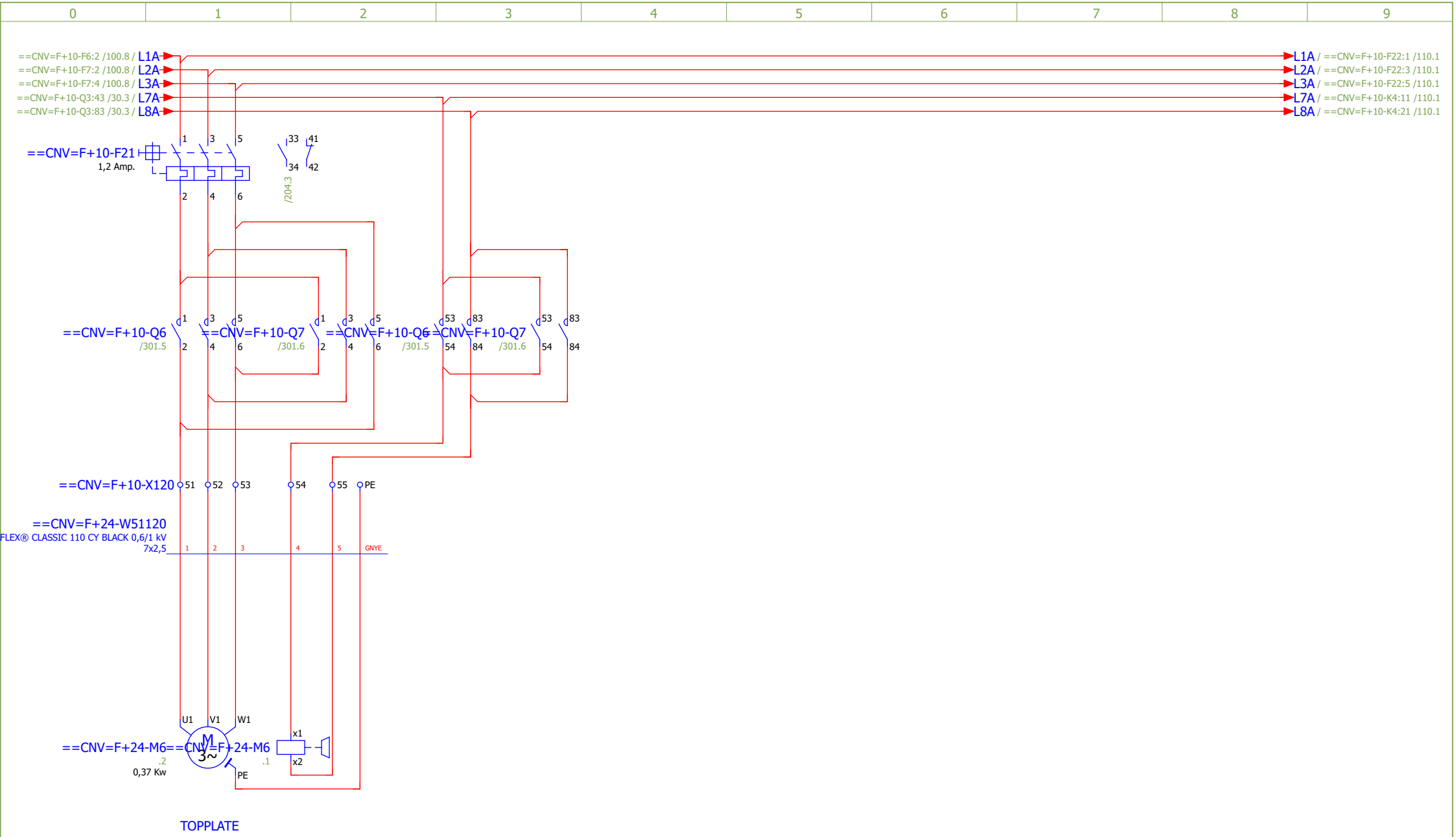


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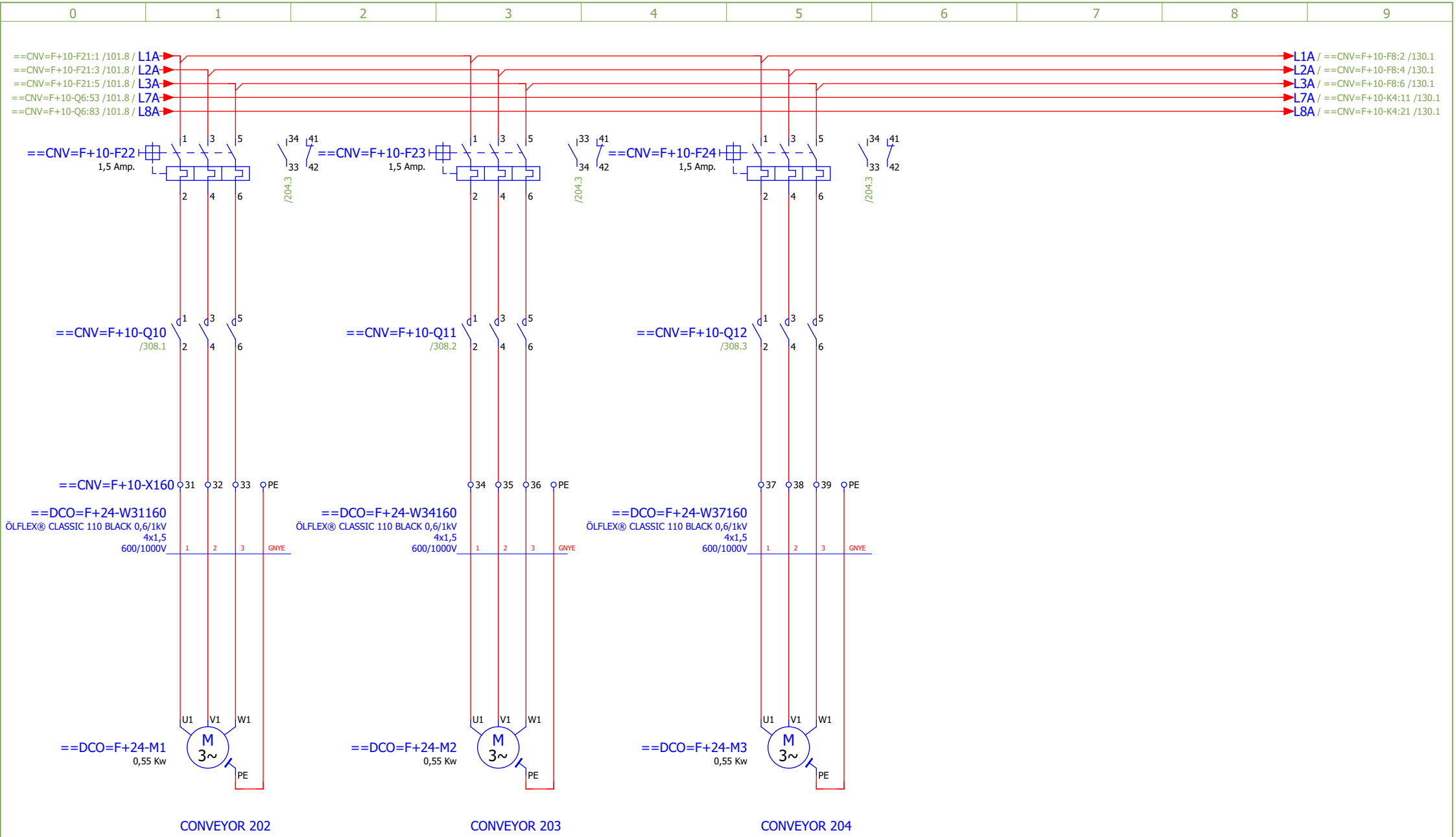


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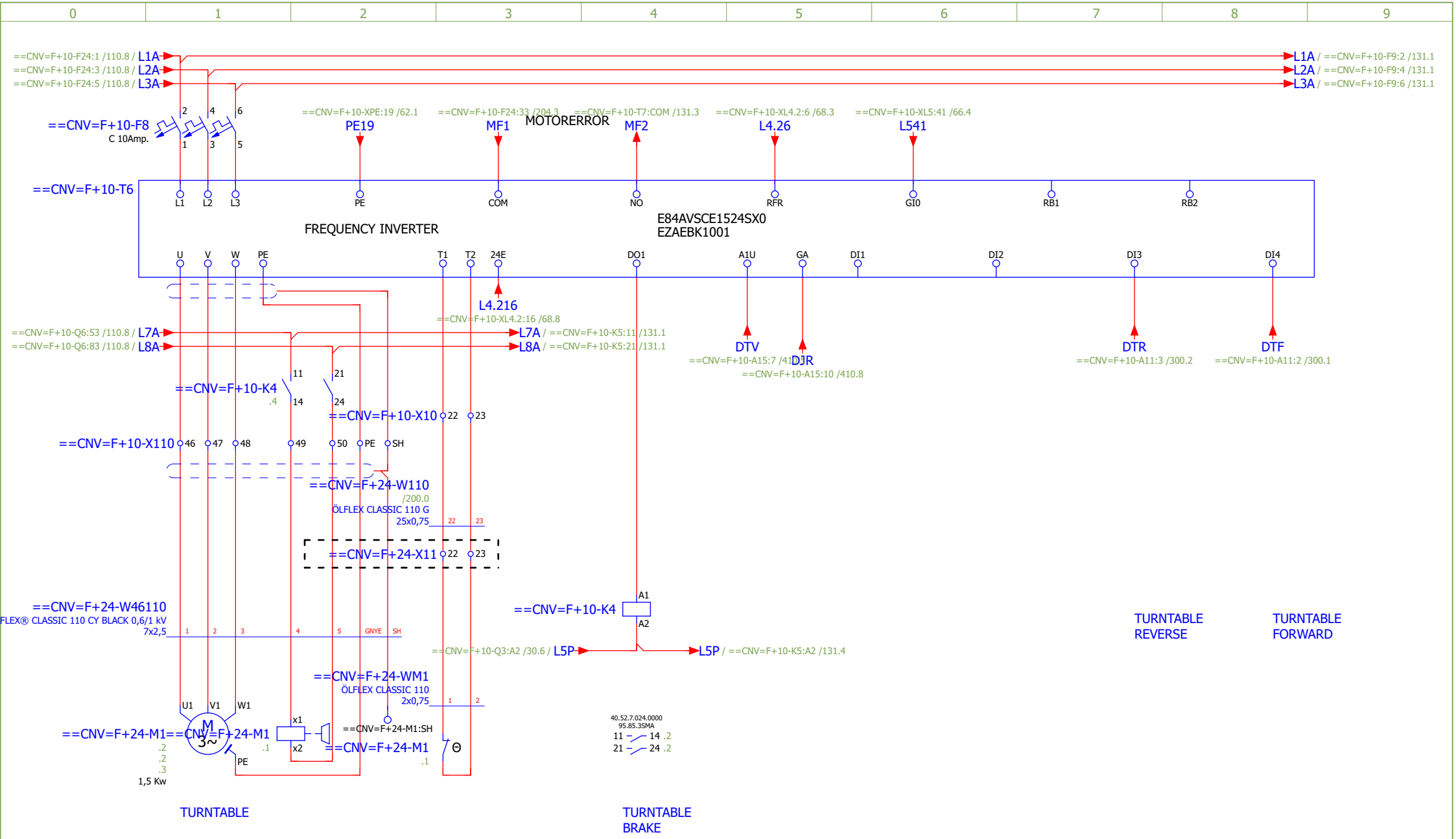


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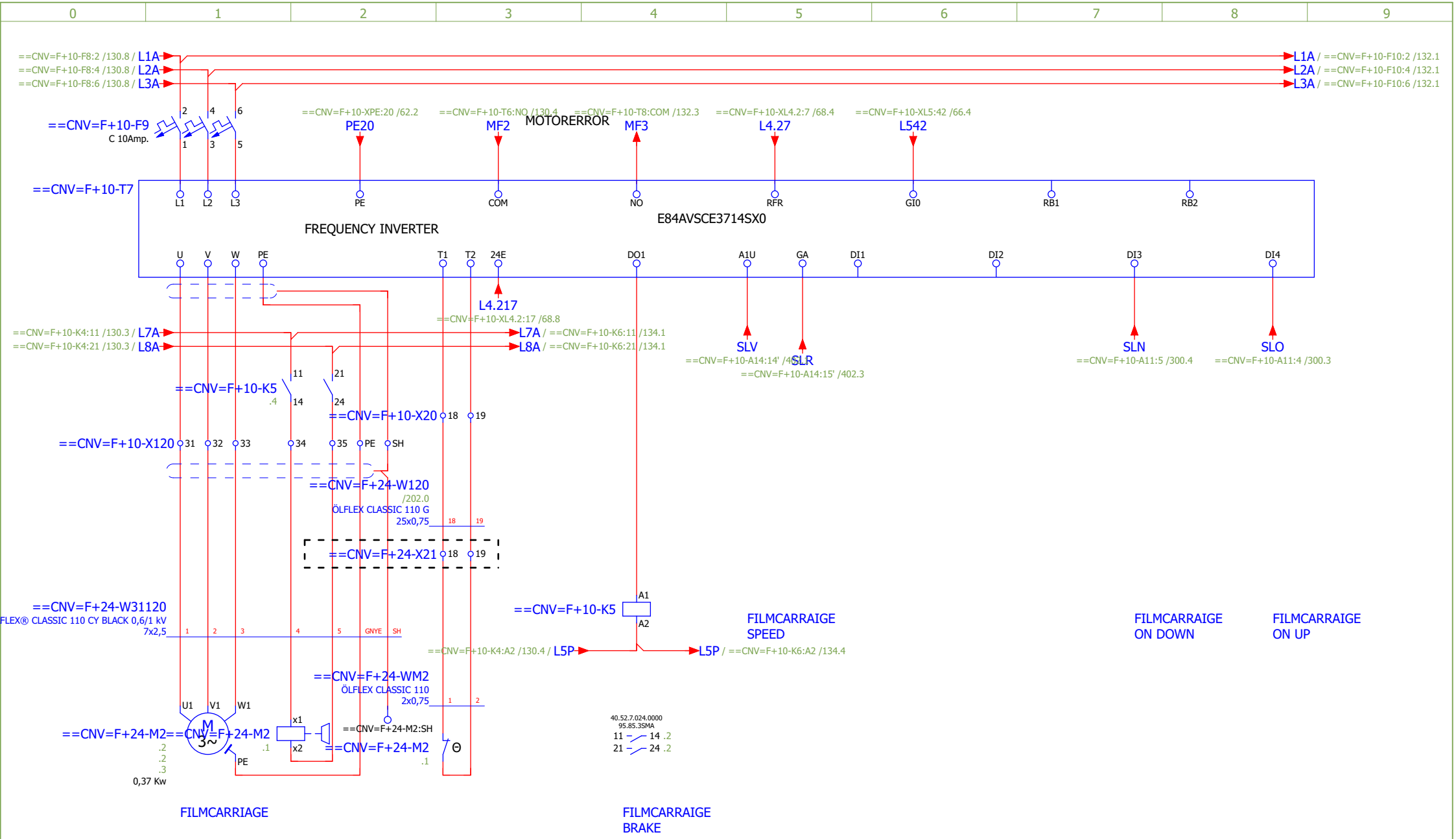


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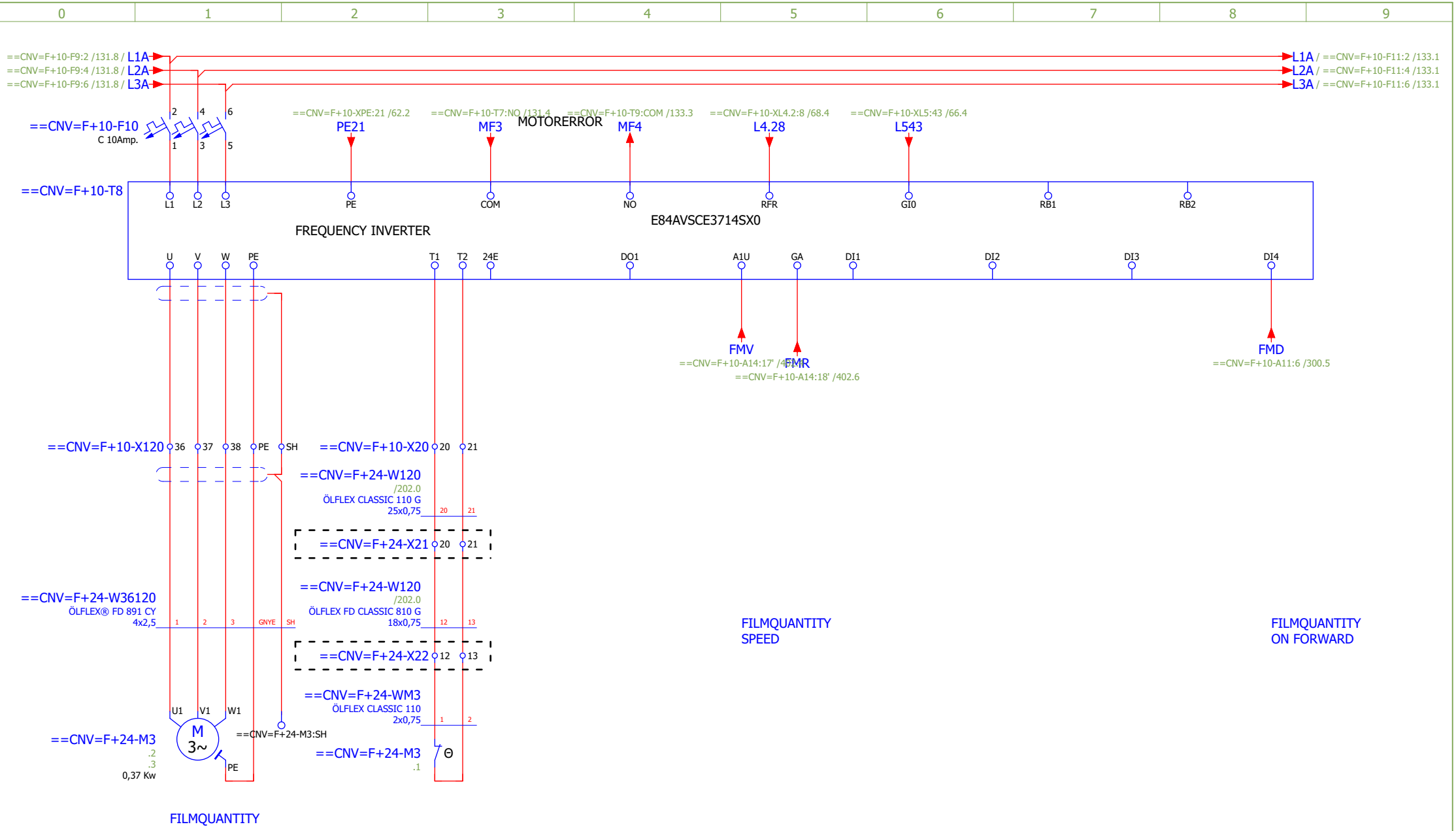


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Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 130
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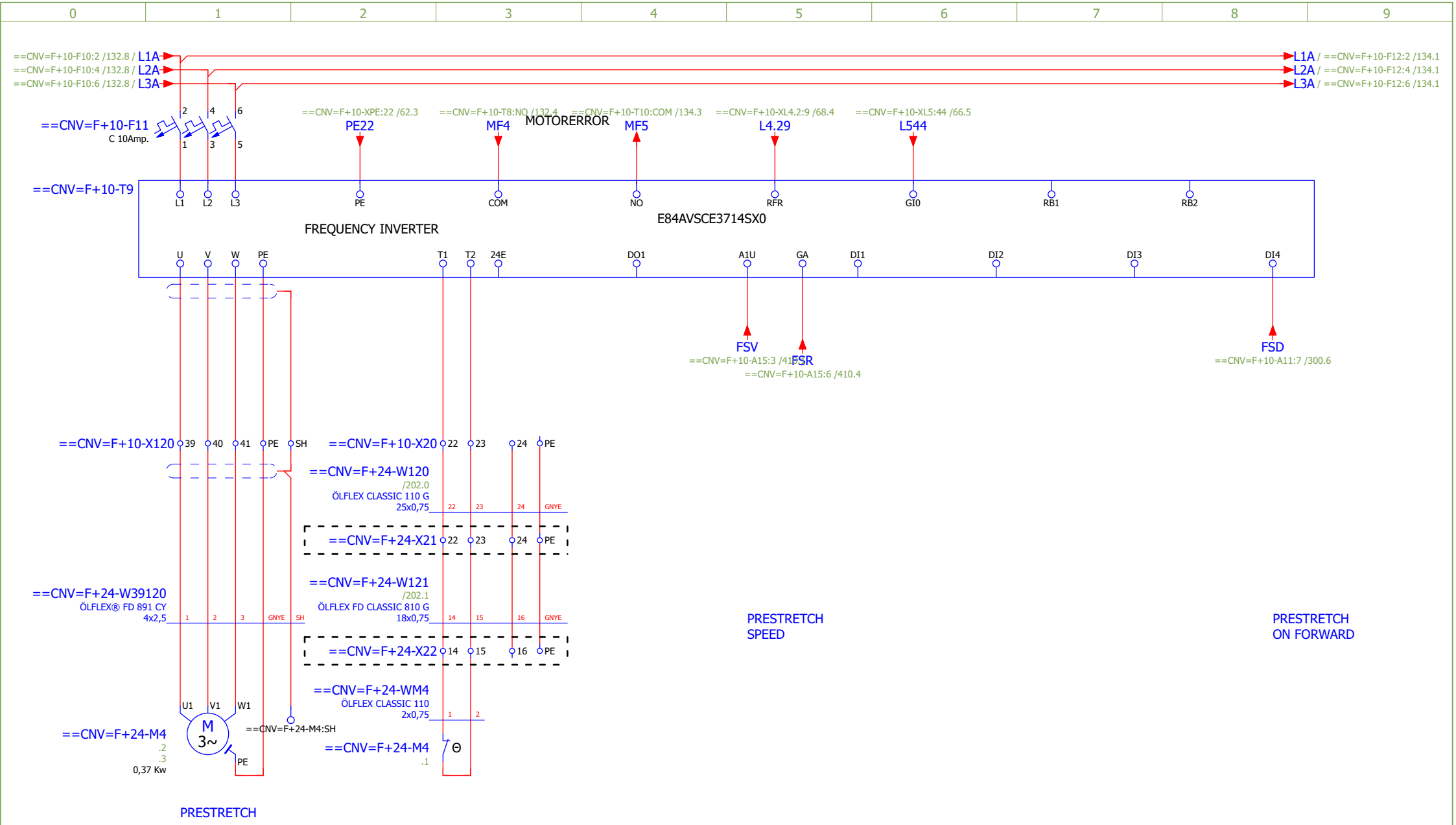
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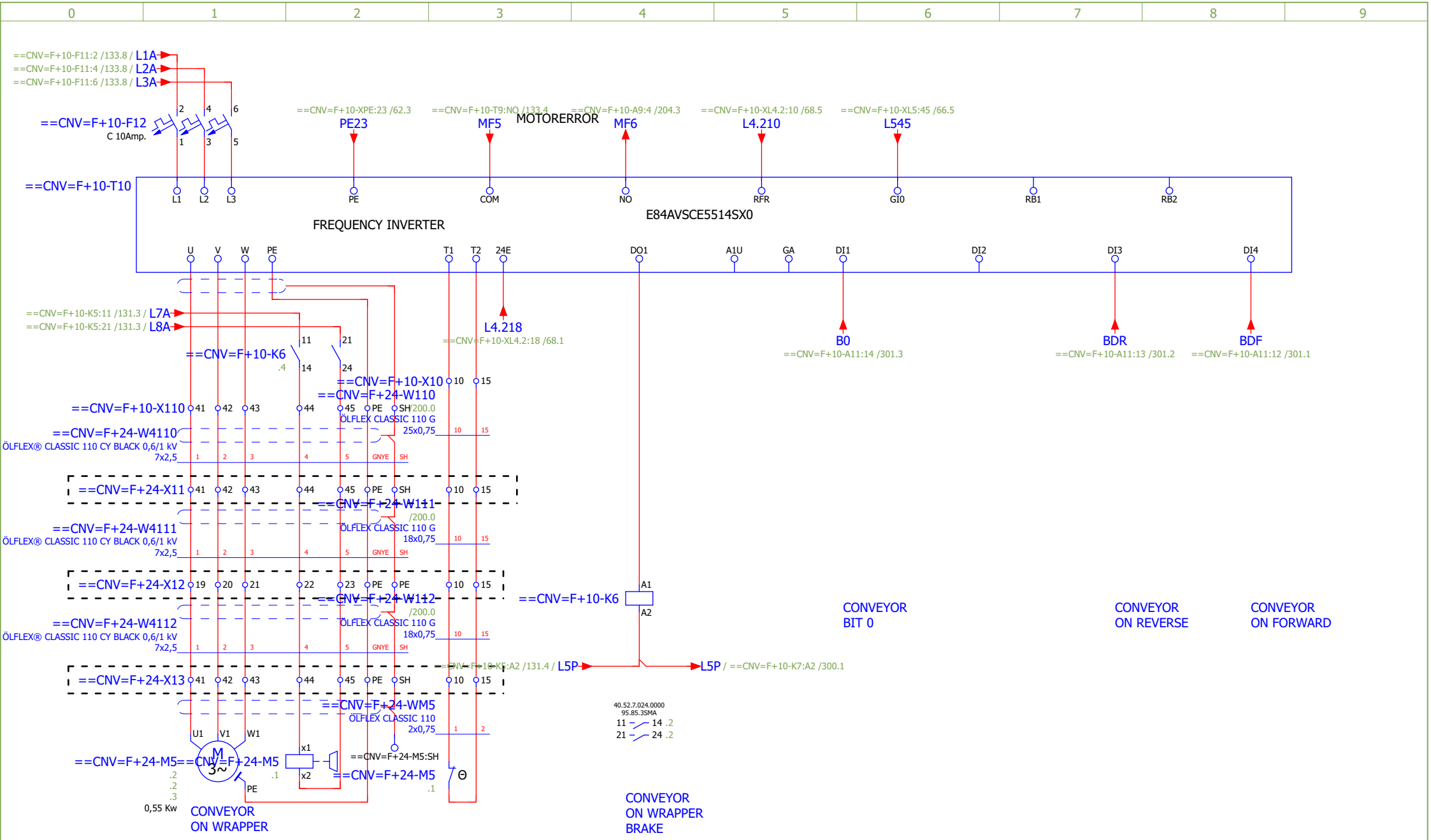
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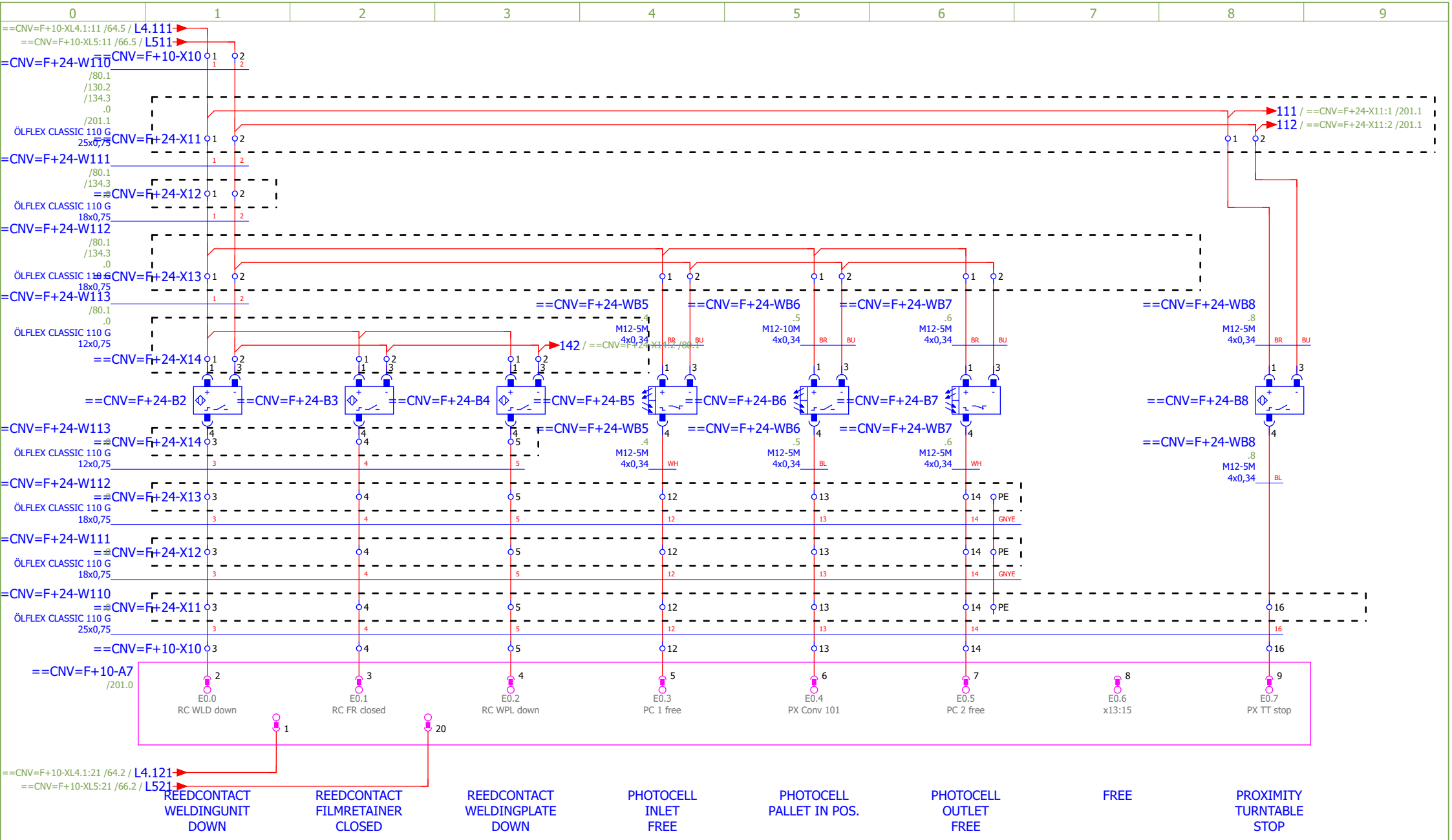
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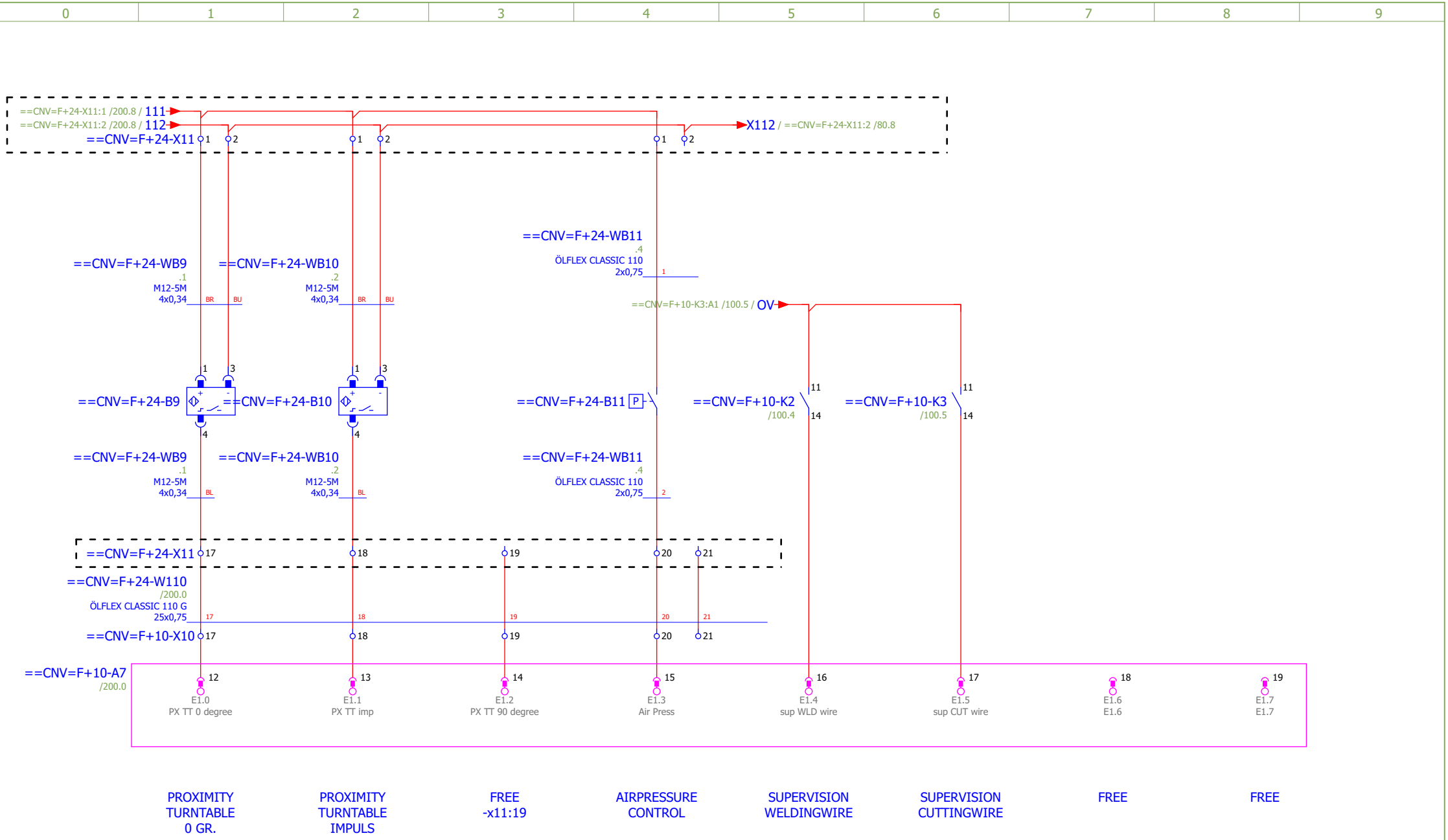


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Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 134
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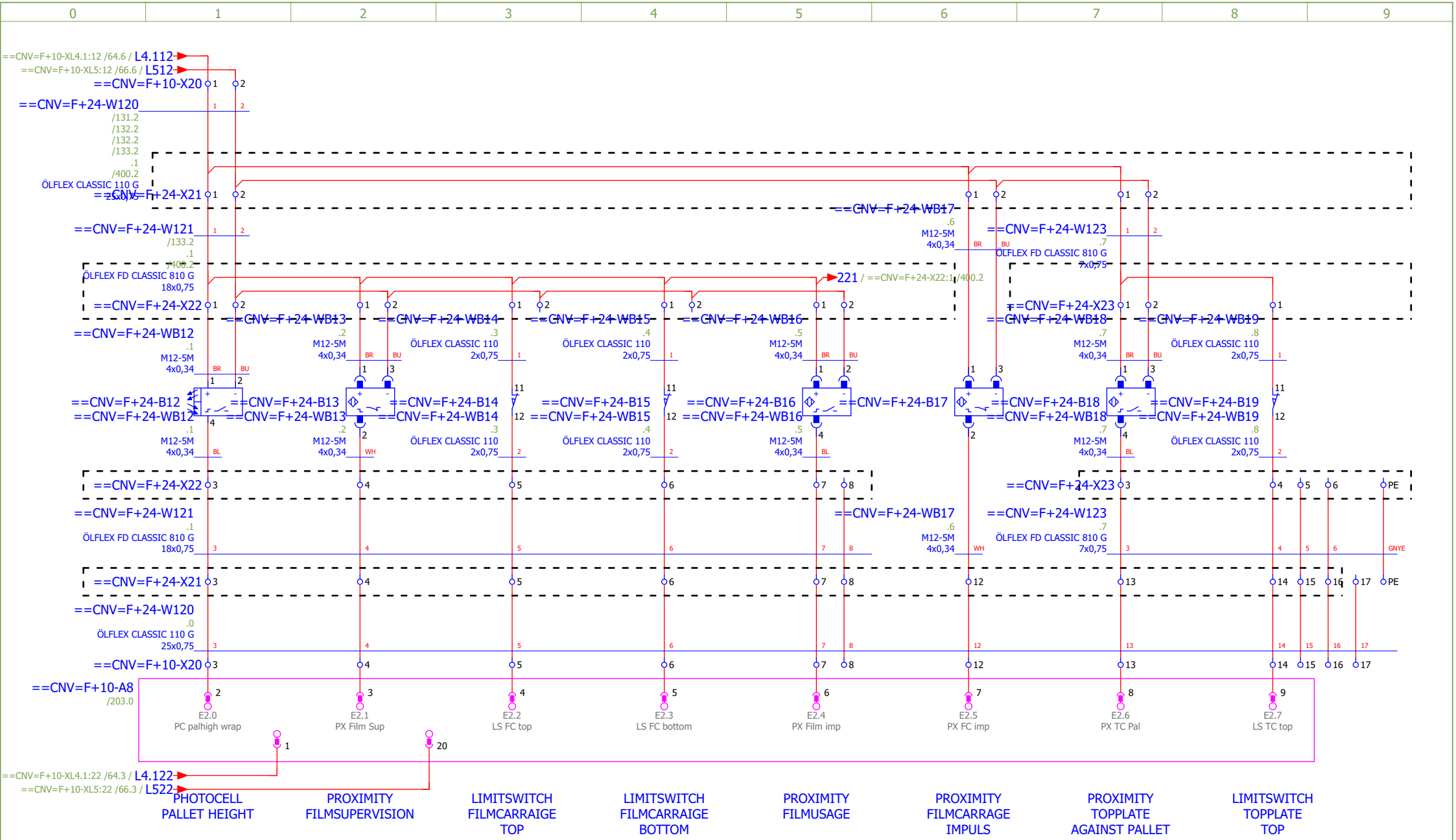


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Rev. Date	18-06-2013		Kongsdal Havn 4			+	
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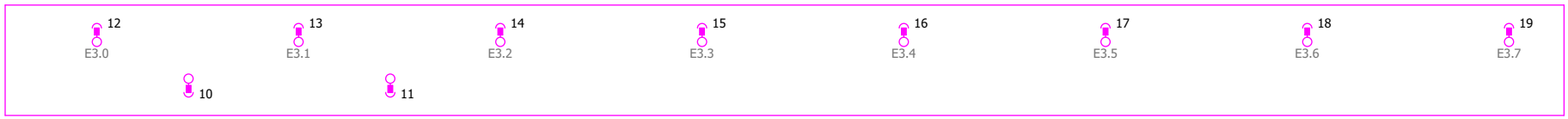
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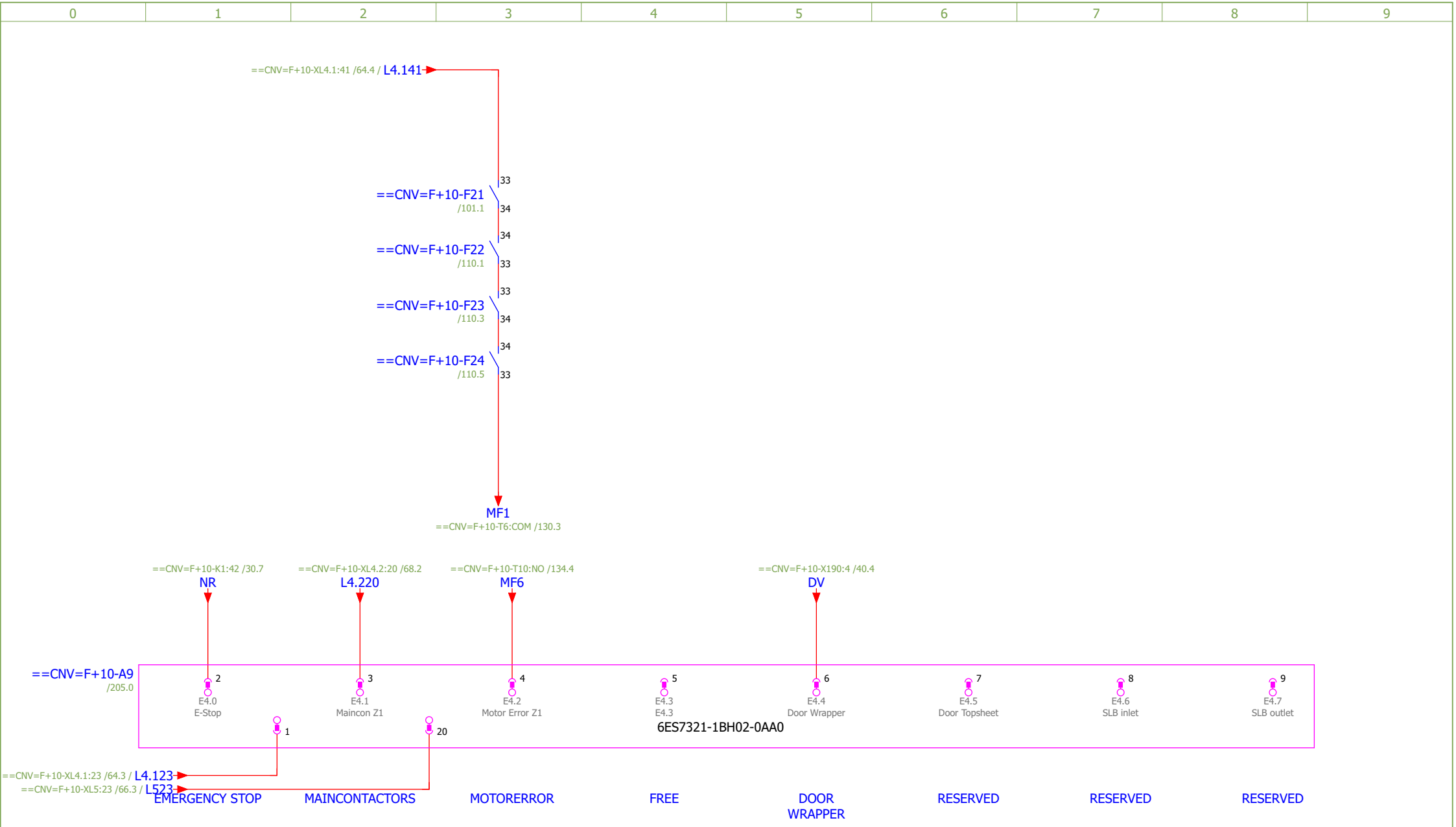
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FREE FREE FREE FREE FREE FREE FREE FREE

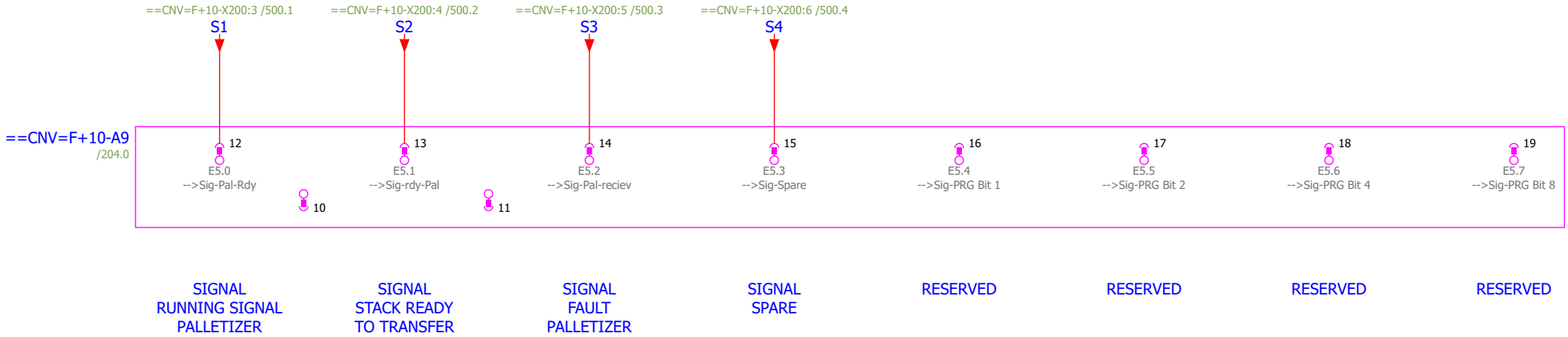
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Rev. Date	17-06-2013		Kongsdal Havn 4			+
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B Page no. 203
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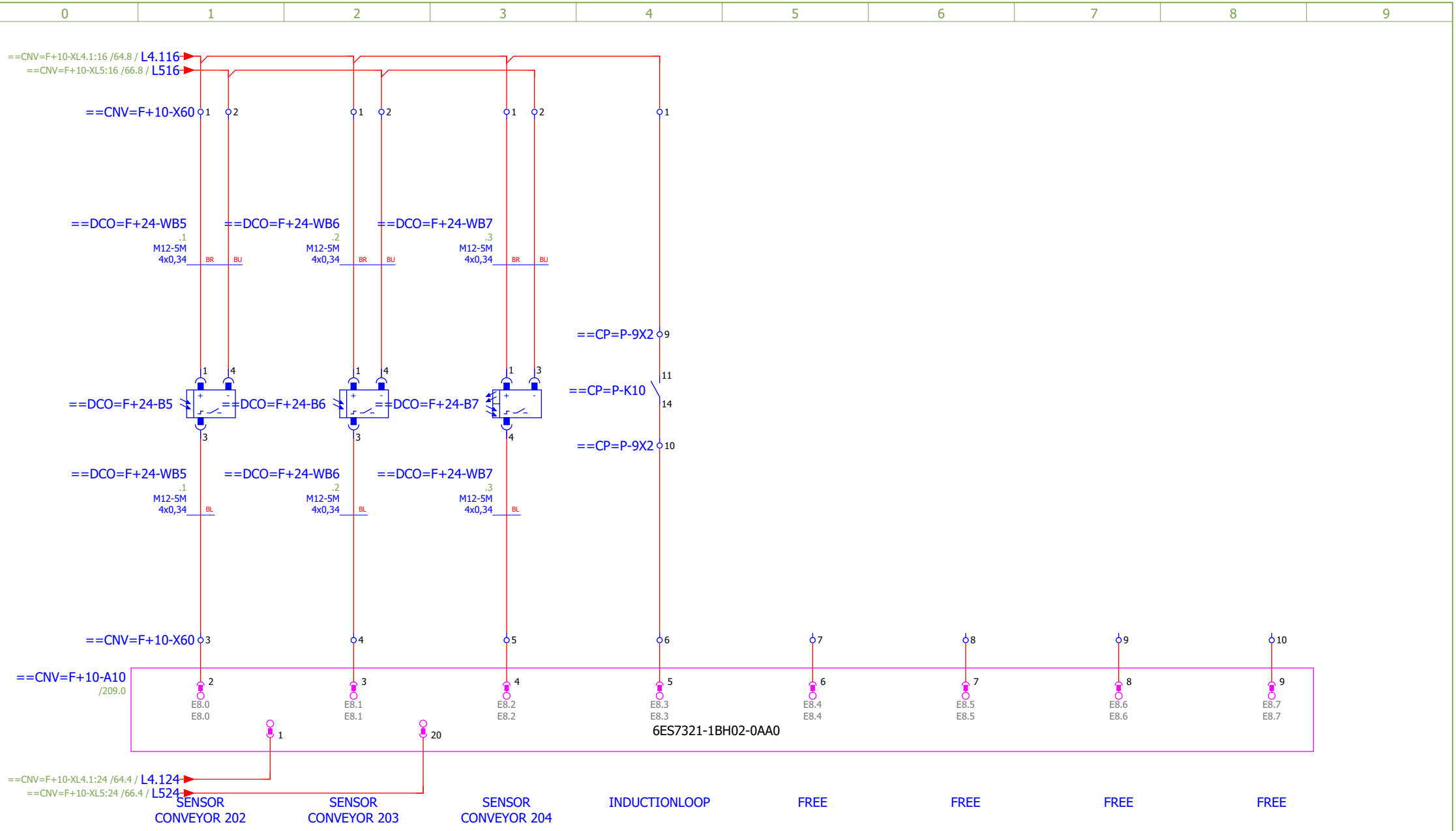
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Rev. Date	17-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 204
Init.	SCN		Tlf: +45 98 58 41 00				

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Projekt started on	27-05-2013	Möllers	REO-PACK	Input 5.0 - 5.7	J20.462.711	=	
Rev. Date	25-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 205
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				

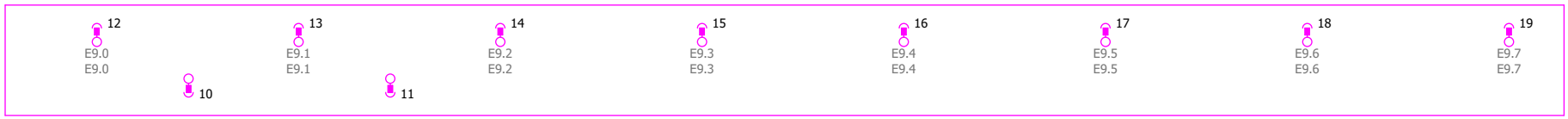
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Rev. Date	21-08-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 208
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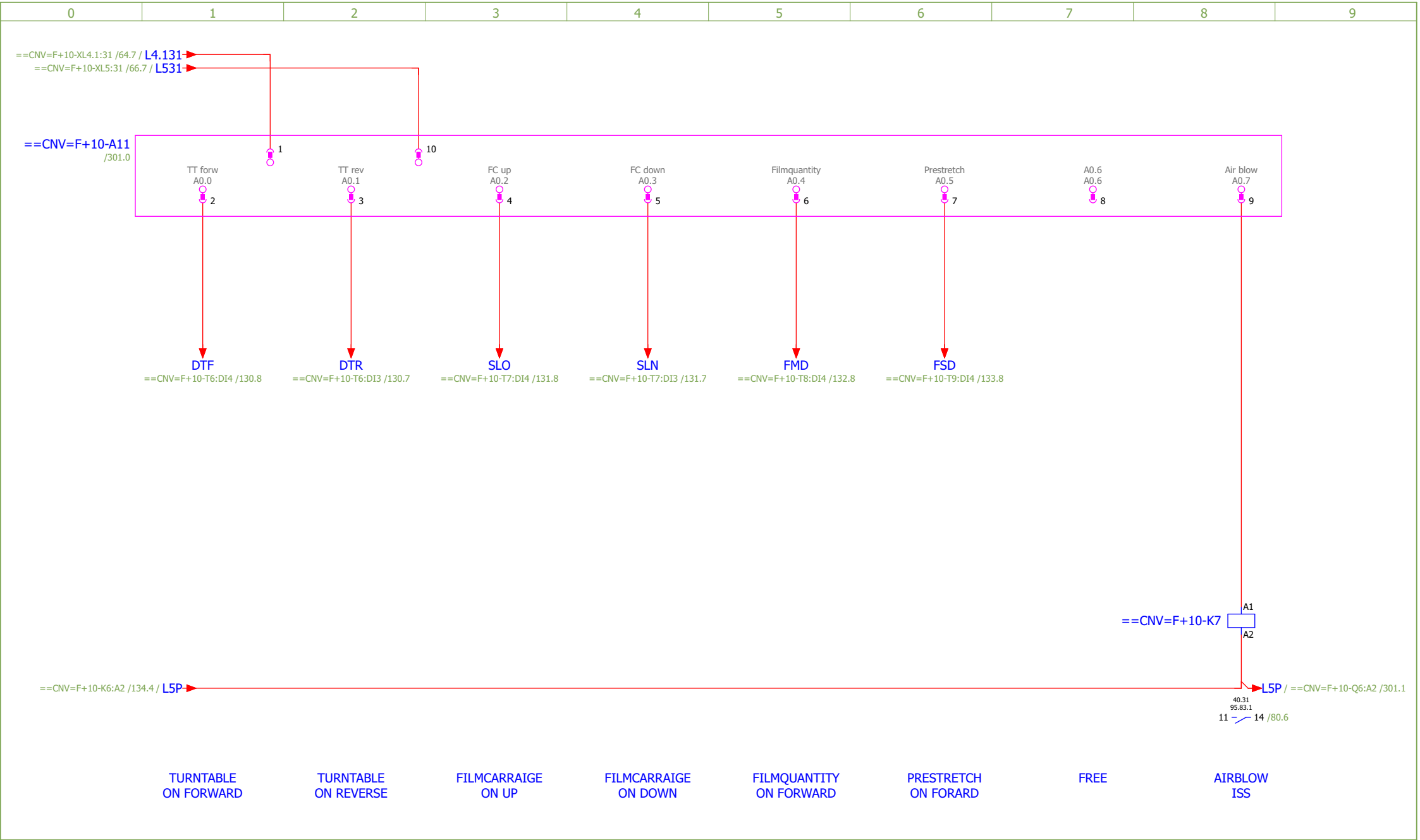
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FREE FREE FREE FREE FREE FREE FREE FREE

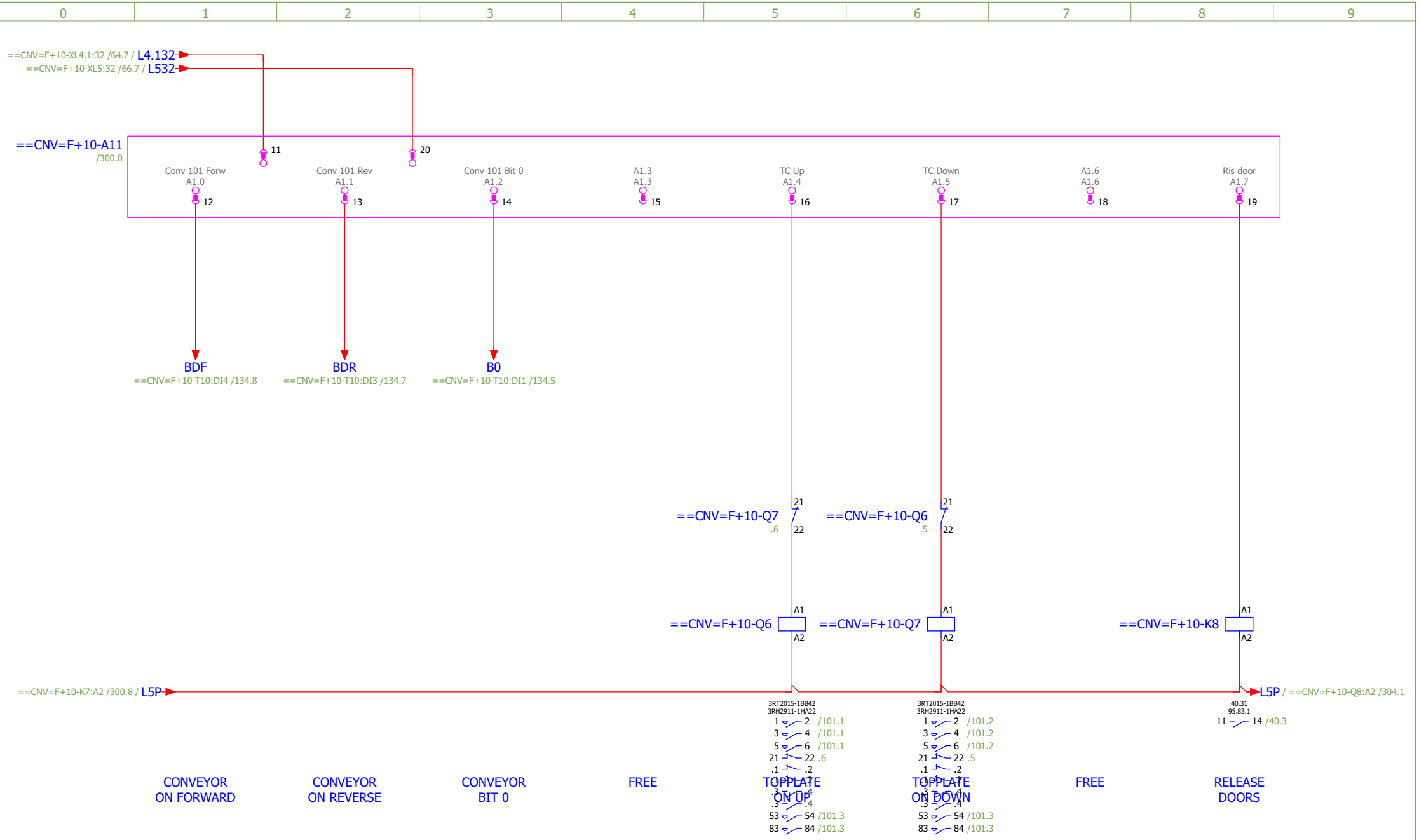
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Rev. Date	23-07-2013		Kongsdal Havn 4			+
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B — Page no. 209
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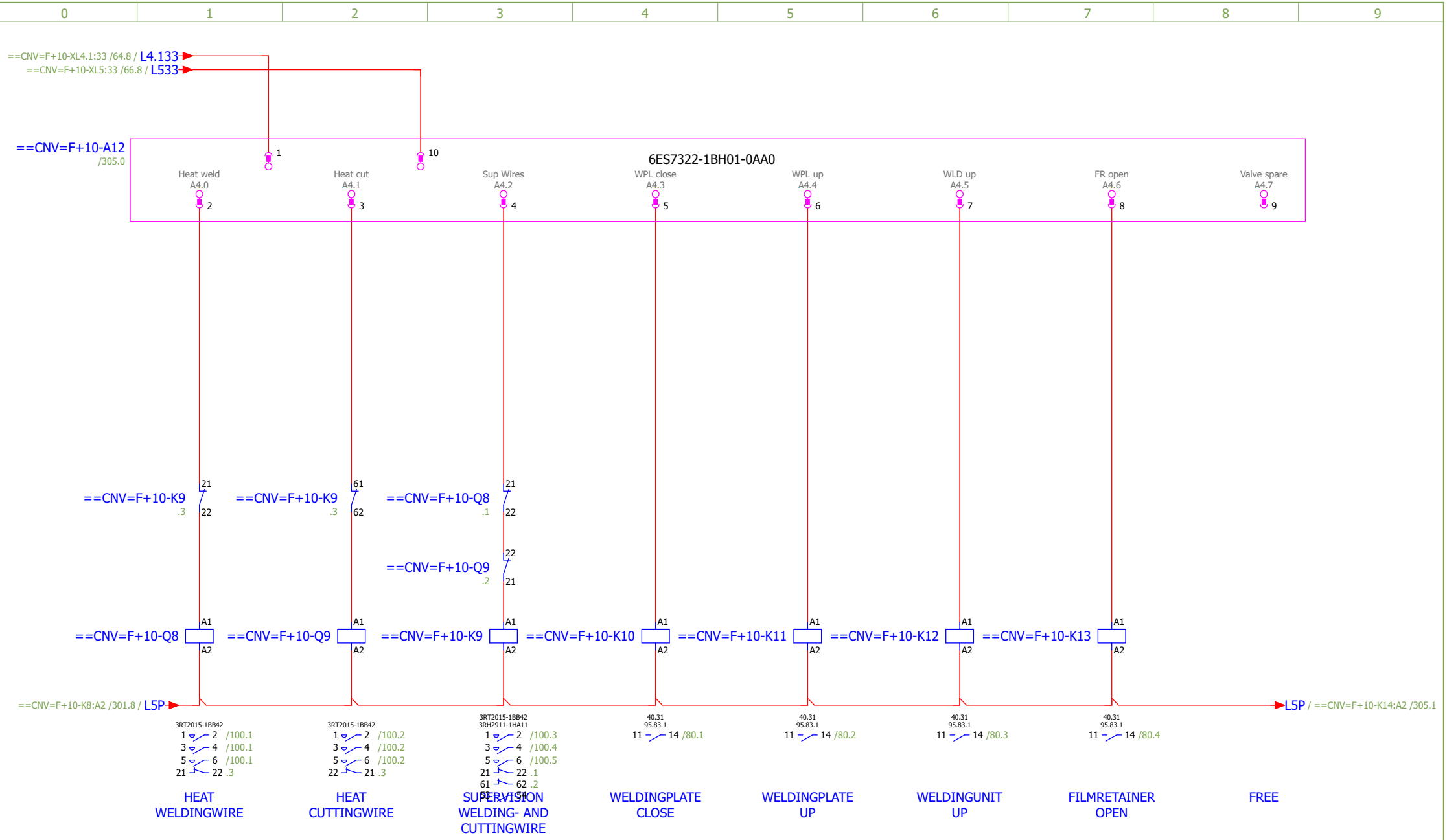


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Print Date	29-08-2013		DK-9550 Mariager			ePLAN electric P8	Page no.
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00		J2000ISS & R2000		300

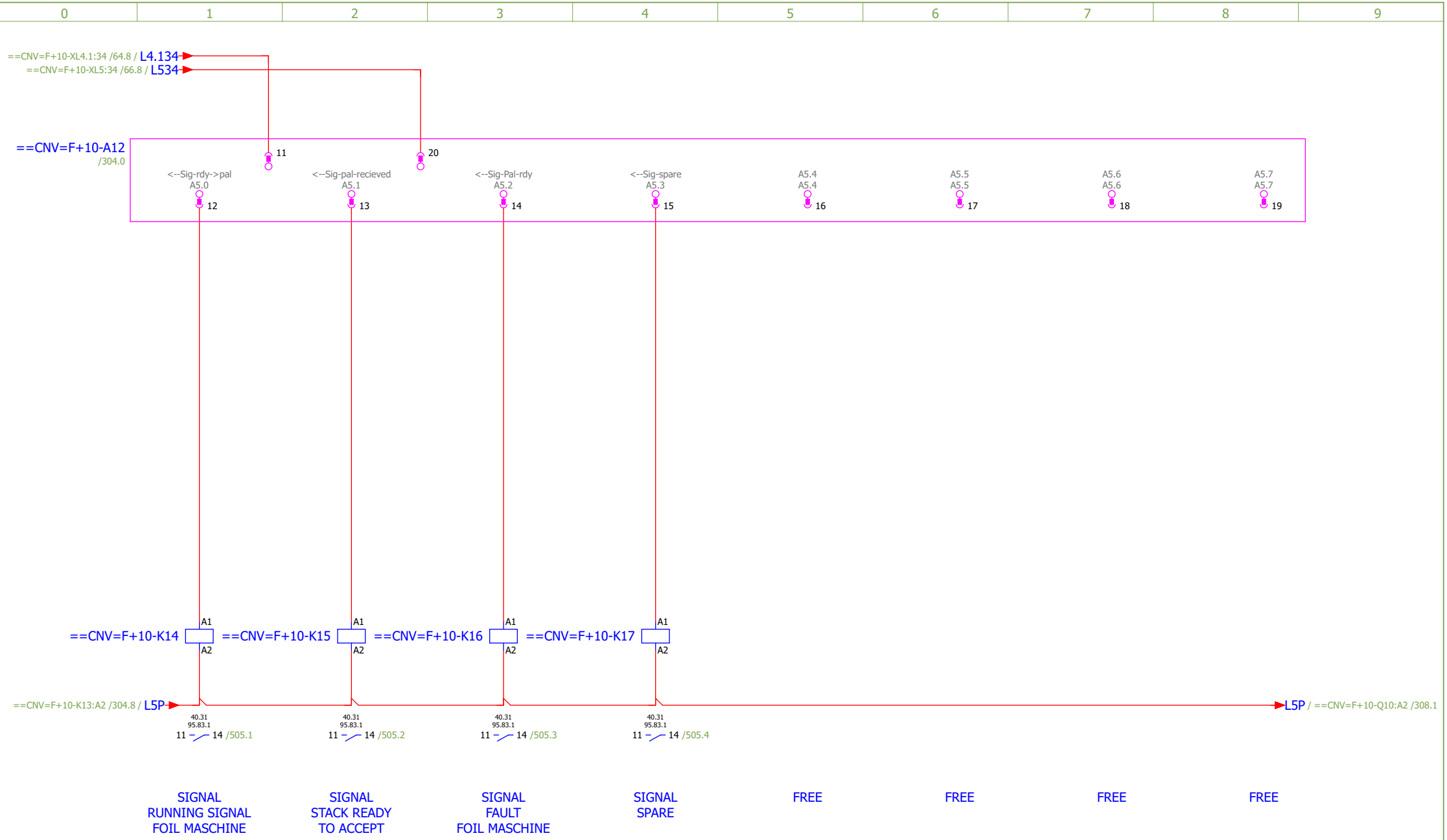
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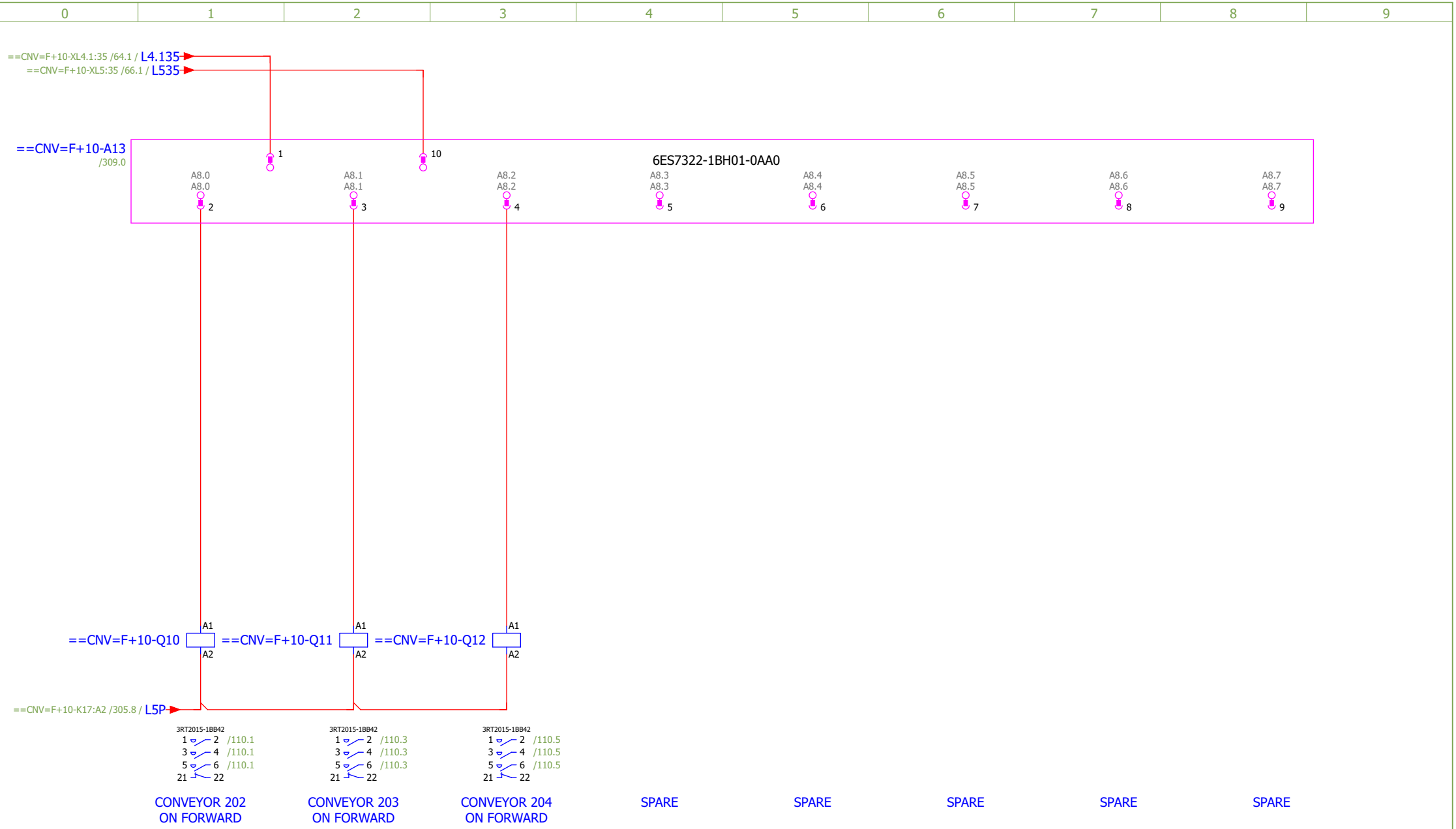
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Rev. Date	17-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 301
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				
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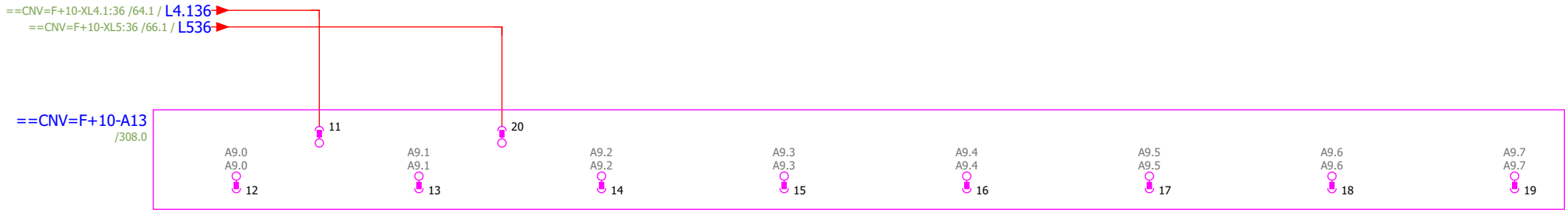
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Rev. Date	17-06-2013		Kongsdal Havn 4			+	
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Rev. Date	25-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 305
Init.	SCN		Tlf: +45 98 58 41 00				
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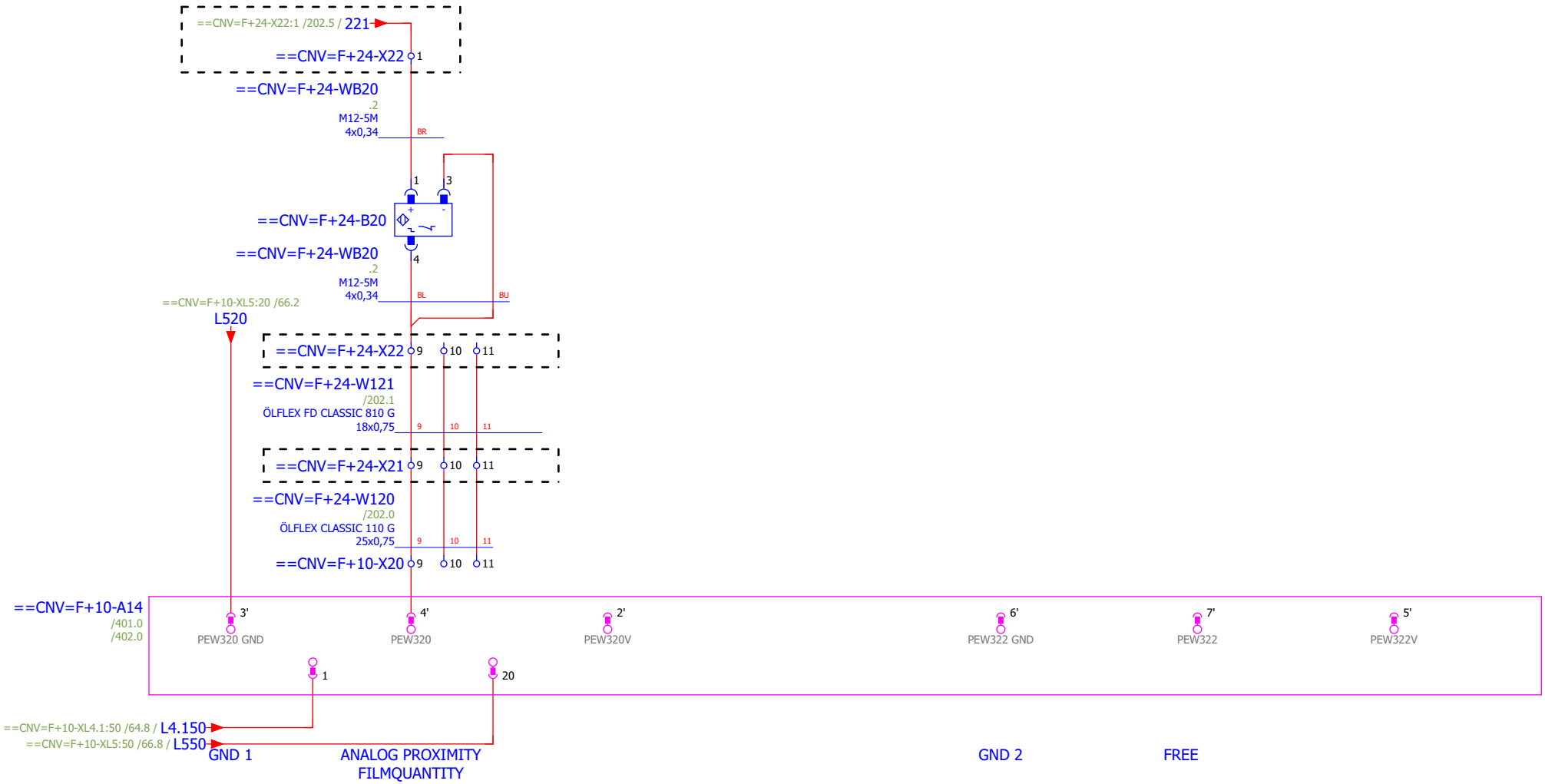
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Rev. Date	23-07-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 308
Init.	SCN		Tlf: +45 98 58 41 00				
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FREE FREE FREE FREE FREE FREE FREE FREE

Projekt started on	27-05-2013	Möllers	REO-PACK	Output 9.0 - 9.7	J20.462.711	=	
Rev. Date	17-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 309
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				

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Projekt started on	27-05-2013	Möllers	REO-PACK	Analog Input	J20.462.711	=	
Rev. Date	21-08-2013		Kongsdal Havn 4	PEW 320 - PEW 322		+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 400
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				

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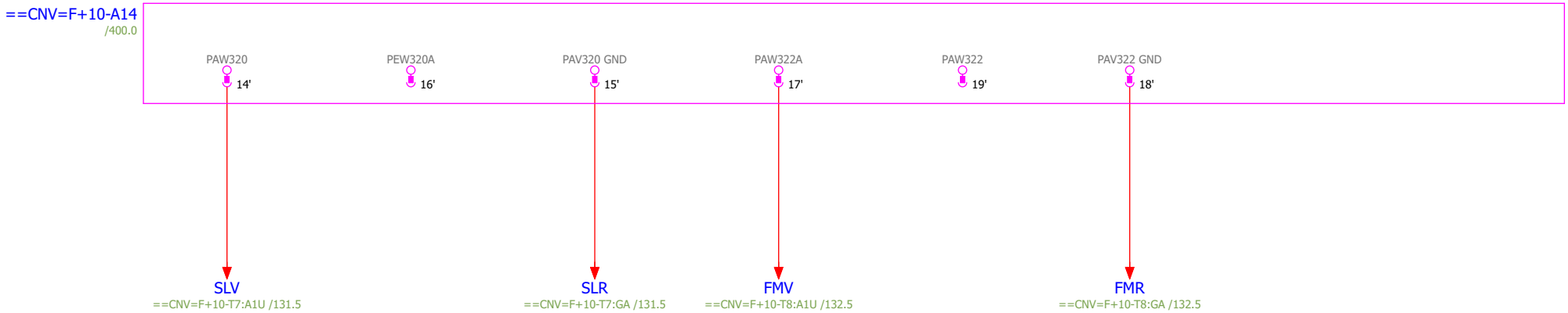
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GND 3 FREE GND 4 FREE

Projekt started on	27-05-2013	Möllers	REO-PACK	Analog Input	J20.462.711	=
Rev. Date	21-08-2013		Kongsdal Havn 4	PEW 324 - PEW 326		+
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B Page no. 401
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00			

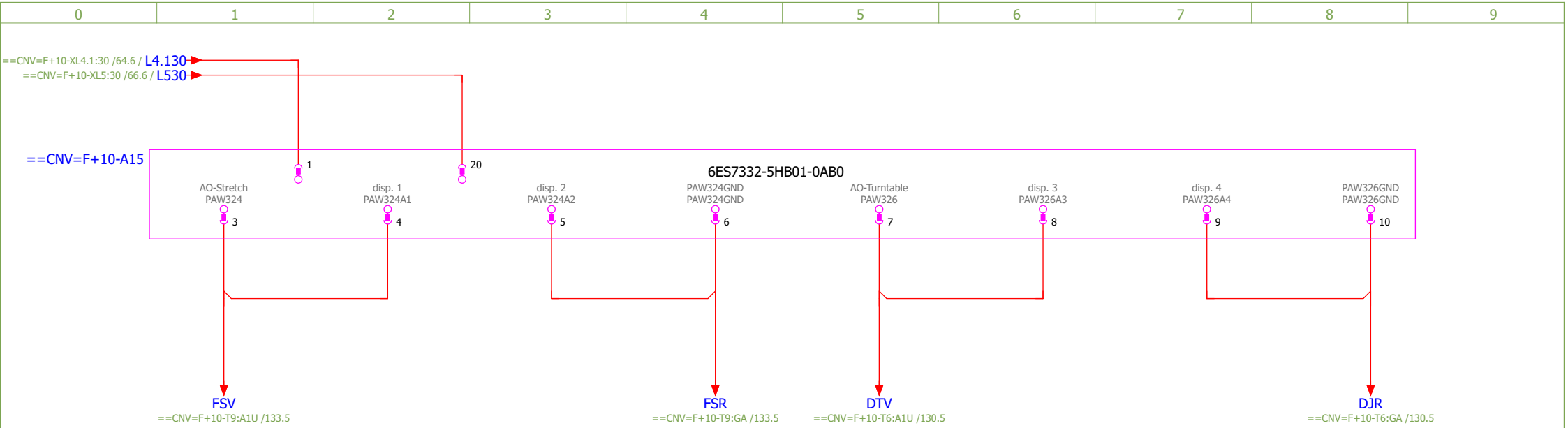
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FILMCARRAIGE SPEED

FILMQUANTITY SPEED

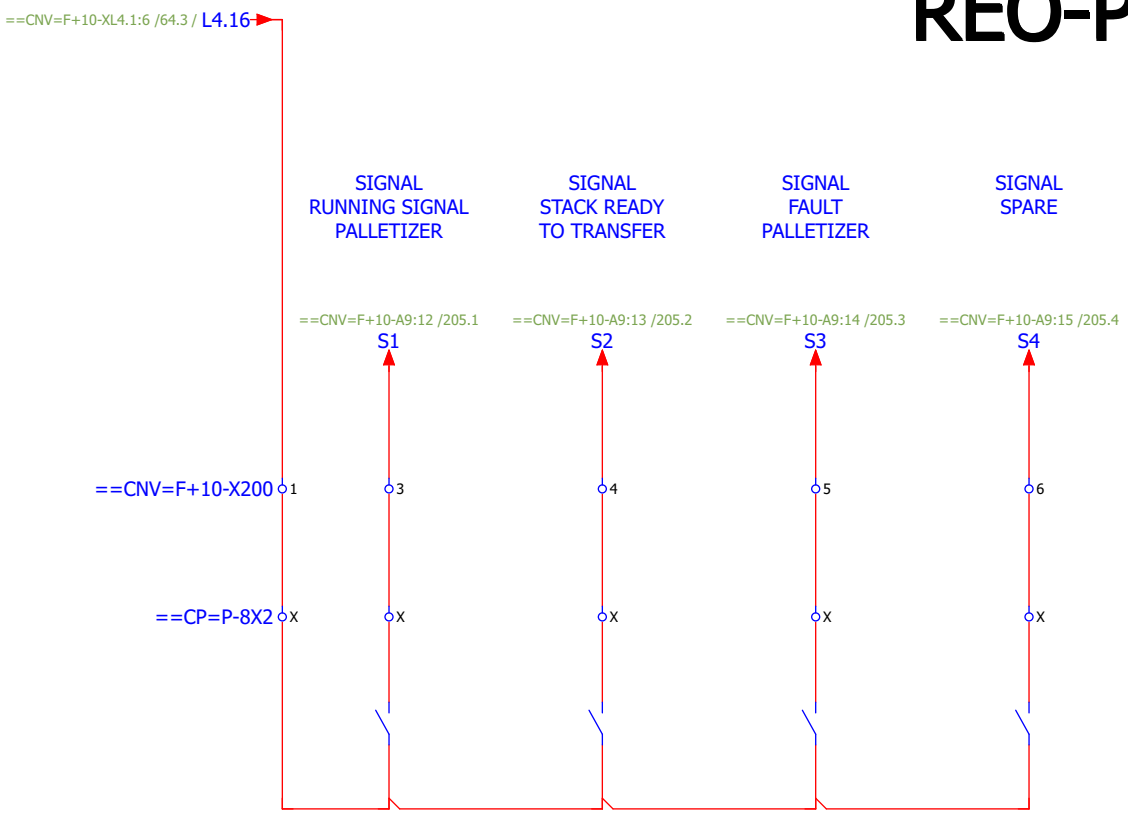
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Rev. Date	21-08-2013		Kongsdal Havn 4	PAW 320 - PAW 322		+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 402
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				
401 Previus Page		This page is proberty of REO-PACK A/S and must not be copied og given to third person whitout our accept in writeing			Numb of Pages 134	Next Page 410	



PRESTRETCH
SPEED

Projekt started on	27-05-2013	Möllers	REO-PACK Kongsdal Havn 4 DK-9550 Mariager Tlf: +45 98 58 41 00	Analog Output PAW 324 - PAW 326	J20.462.711	=	
Rev. Date	17-06-2013					+	
Print Date	29-08-2013				J2000ISS & R2000	ePLAN electric P8	Page no. 410
Init.	SCN	Technicas reunidas					
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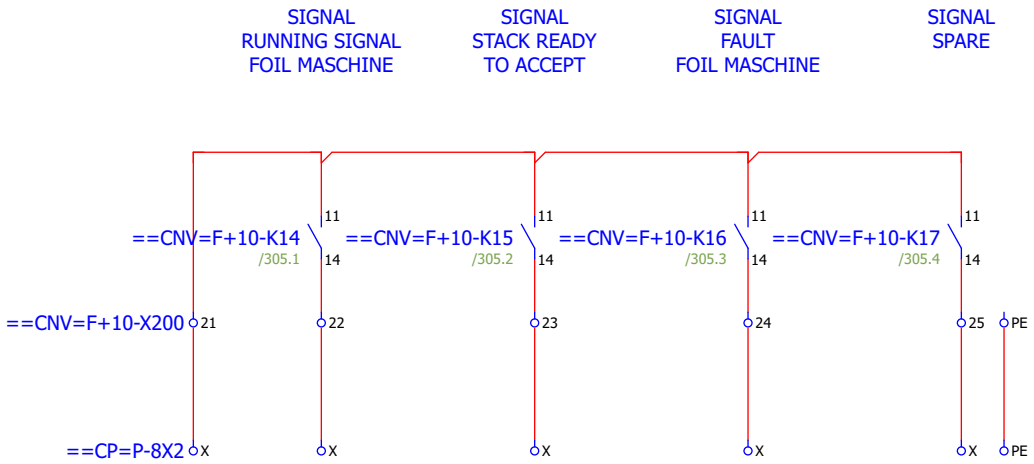
REO-PACK



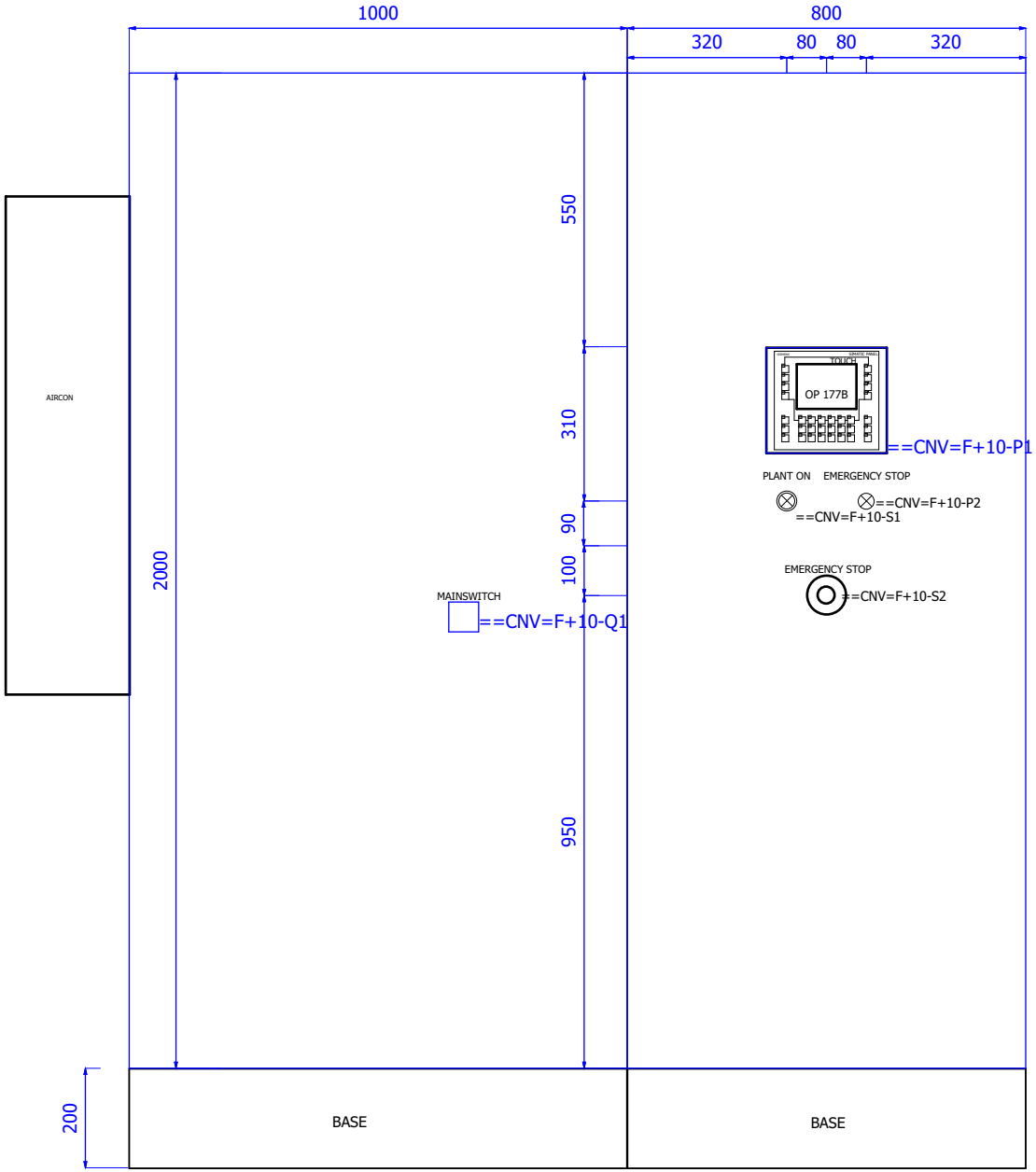
CONVEYOR SYSTEM

Projekt started on	27-05-2013	Möllers	REO-PACK	Signal Exchange	J20.462.711	=	
Rev. Date	25-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 500
Init.	SCN		Tlf: +45 98 58 41 00				
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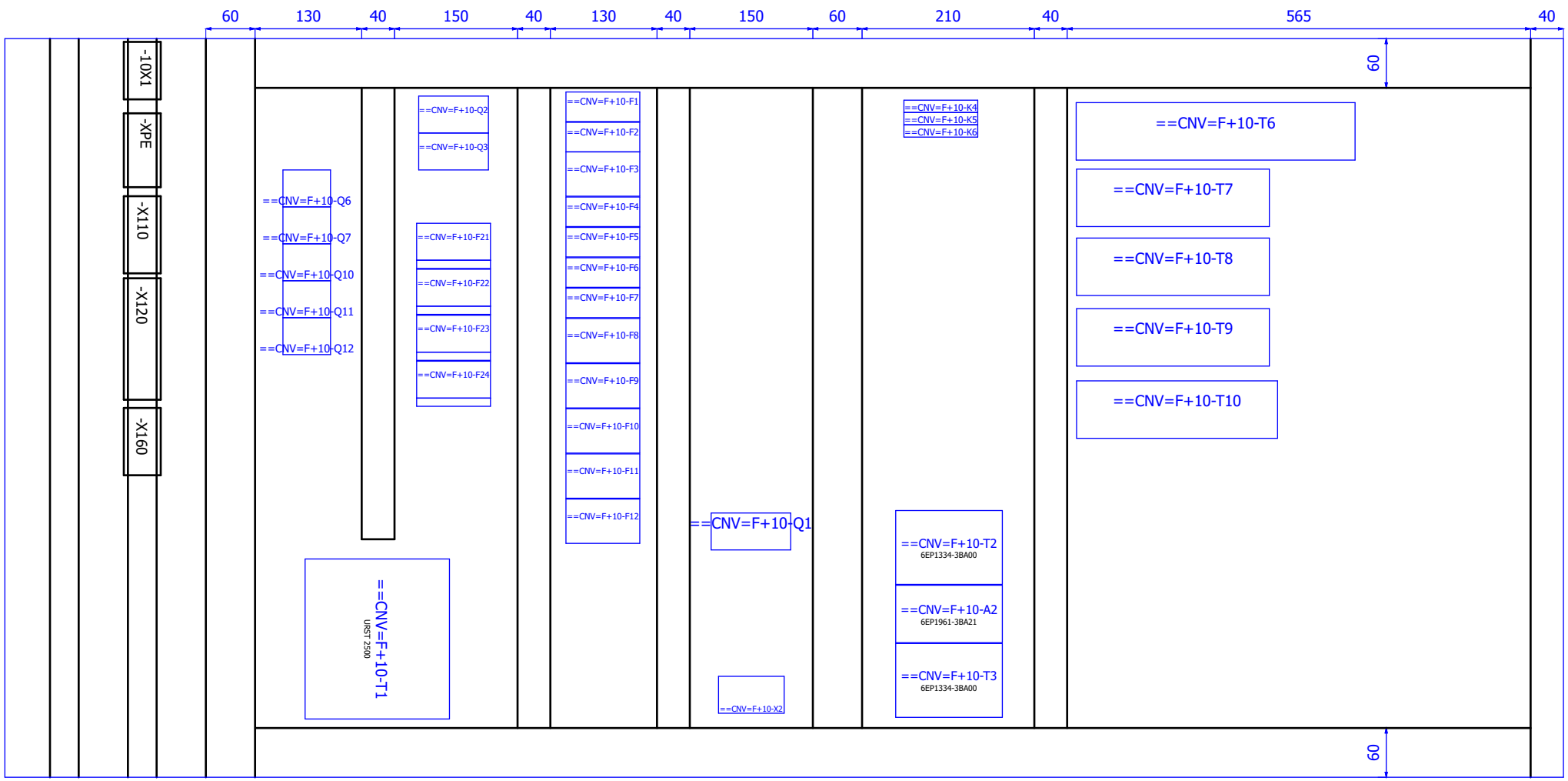
REO-PACK



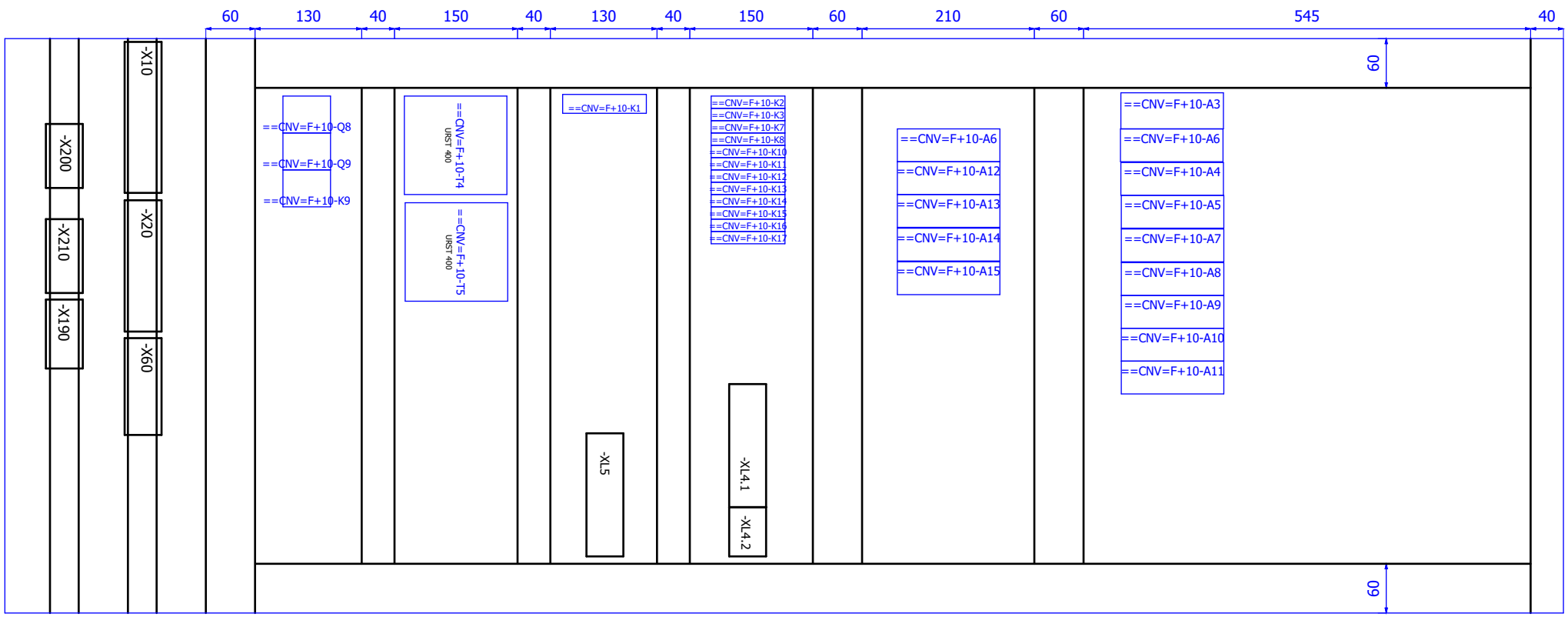
CONVEYOR SYSTEM



Projekt started on	27-05-2013	Möllers	REO-PACK	Controlpanel	J20.462.711	=	
Rev. Date	21-08-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 600
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				
505 Previus Page		This page is proberty of REO-PACK A/S and must not be copied og given to third person whitout our accept in writeing				Numb of Pages 134	Next Page 610



Projekt started on	27-05-2013	Möllers	REO-PACK	Plate 480 Vac	J20.462.711	=	
Rev. Date	21-08-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 610
Init.	SCN		Tlf: +45 98 58 41 00				
600 Previus Page		This page is proberty of REO-PACK A/S and must not be copied og given to third person whitout our accept in writeing				Numb of Pages 134	Next Page 611



Projekt started on	27-05-2013	Möllers	REO-PACK	Plate 24 Vdc	J20.462.711	=	
Rev. Date	04-07-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013	Technicas reunidas	DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 611
Init.	SCN		Tlf: +45 98 58 41 00				
610 Previus Page		This page is proberty of REO-PACK A/S and must not be copied og given to third person whitout our accept in writeing			Numb of Pages 134		Next Page 700

Parts list

F01_001UK

Device tag	Quantity	Designation	Typnummer	Supplier	Part number
==CNV=F+10-A1	1	Aircondition, on wall	SK 3305.140	Rittal	SK 3305.140
==CNV=F+10-A2	1	Redundance module SITOP	6EP1961-3BA21	Siemens	6EP1961-3BA21
==CNV=F+10-A3	1	S7-315-2 PN/DP CPU	6ES7315-2EH13-0AB0	Siemens	6ES7315-2EH13-0AB0
==CNV=F+10-A3	1	Micro Memory Card, S7 - 128K	6ES7953-8LG20-0AA0	Siemens	6ES7953-8LG20-0AA0
==CNV=F+10-A3	1	MPI plug CPU	6ES7972-0BB12-0AX0	Siemens	6ES7972-0BB12-0AX0
==CNV=F+10-A4	1	Ethernet Connection	6GK7343-1CX10-0XE0	Siemens	6GK7343-1CX10-0XE0
==CNV=F+10-A5	1	Ethernet Connection	6GK7343-1CX10-0XE0	Siemens	6GK7343-1CX10-0XE0
==CNV=F+10-A6	1	IM 365 Interface modul	6ES7365-0BA01-0AA0	Siemens	6ES7365-0BA01-0AA0
==CNV=F+10-A7	1	Digital input 16 pol.	6ES7321-7BH01-0AA0	Siemens	6ES7321-7BH01-0AA0
==CNV=F+10-A7	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A8	1	Digital input 16 pol.	6ES7321-7BH01-0AA0	Siemens	6ES7321-7BH01-0AA0
==CNV=F+10-A8	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A9	1	Digital input 16 pol.	6ES7321-1BH02-0AA0	Siemens	6ES7321-1BH02-0AA0
==CNV=F+10-A9	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A10	1	Digital input 16 pol.	6ES7321-1BH02-0AA0	Siemens	6ES7321-1BH02-0AA0
==CNV=F+10-A10	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A11	1	Digital output 16 pol.	6ES7322-1BH01-0AA0	Siemens	6ES7322-1BH01-0AA0
==CNV=F+10-A11	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A12	1	Digital output 16 pol.	6ES7322-1BH01-0AA0	Siemens	6ES7322-1BH01-0AA0
==CNV=F+10-A12	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A13	1	Digital output 16 pol.	6ES7322-1BH01-0AA0	Siemens	6ES7322-1BH01-0AA0
==CNV=F+10-A13	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A14	1	Analog Card kombi - 4 AI / 2 AU	6ES7334-0CE01-0AA0	Siemens	6ES7334-0CE01-0AA0
==CNV=F+10-A14	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-A15	1	Analog Output	6ES7332-5HB01-0AB0	Siemens	6ES7332-5HB01-0AB0
==CNV=F+10-A15	1	Frontplug 20 pol.	6ES7392-1AJ00-0AA0	Siemens	6ES7392-1AJ00-0AA0
==CNV=F+10-F1	1	Fuse 2 pol., C 6 Amp.	5SY4206-7	Siemens	5SY4206-7
==CNV=F+10-F2	1	Fuse 2 pol., C 6 Amp.	5SY4206-7	Siemens	5SY4206-7
==CNV=F+10-F3	1	Fuse 3 Pol. C10 Amp.	5SY4310-7	Siemens	5SY4310-7
==CNV=F+10-F4	1	Fuse 2 pol., C 10 Amp.	5SY4210-7	Siemens	5SY4210-7
==CNV=F+10-F5	1	Fuse 2 pol., C 10 Amp.	5SY4210-7	Siemens	5SY4210-7
==CNV=F+10-F6	1	Fuse 2 pol., C 10 Amp.	5SY4210-7	Siemens	5SY4210-7
==CNV=F+10-F7	1	Fuse 2 pol., C 10 Amp.	5SY4210-7	Siemens	5SY4210-7
==CNV=F+10-F8	1	Fuse 3 Pol. C10 Amp.	5SY4310-7	Siemens	5SY4310-7
==CNV=F+10-F9	1	Fuse 3 Pol. C10 Amp.	5SY4310-7	Siemens	5SY4310-7
==CNV=F+10-F10	1	Fuse 3 Pol. C10 Amp.	5SY4310-7	Siemens	5SY4310-7
==CNV=F+10-F11	1	Fuse 3 Pol. C10 Amp.	5SY4310-7	Siemens	5SY4310-7
==CNV=F+10-F12	1	Fuse 3 Pol. C10 Amp.	5SY4310-7	Siemens	5SY4310-7
==CNV=F+10-F21	1	Motorprotectionrelay 1,0 - 1,6 Amp.	3RV2011-1AA10	Siemens	SIE.3RV2011-1AA10
==CNV=F+10-F21	1	Aux. contact block 1NO+1NC	3RV2901-1A	Siemens	SIE.3RV2901-1A
==CNV=F+10-F22	1	Motorprotectionrelay 1,0 - 1,6 Amp.	3RV2011-1AA10	Siemens	SIE.3RV2011-1AA10
==CNV=F+10-F22	1	Aux. contact block 1NO+1NC	3RV2901-1A	Siemens	SIE.3RV2901-1A
==CNV=F+10-F23	1	Motorprotectionrelay 1,0 - 1,6 Amp.	3RV2011-1AA10	Siemens	SIE.3RV2011-1AA10
==CNV=F+10-F23	1	Aux. contact block 1NO+1NC	3RV2901-1A	Siemens	SIE.3RV2901-1A
==CNV=F+10-F24	1	Motorprotectionrelay 1,0 - 1,6 Amp.	3RV2011-1AA10	Siemens	SIE.3RV2011-1AA10
==CNV=F+10-F24	1	Aux. contact block 1NO+1NC	3RV2901-1A	Siemens	SIE.3RV2901-1A
==CNV=F+10-H1	1	Cabinett light	SZ.4138140	Rittal	RIT.4138140
==CNV=F+10-H1	1	Cable to Cabinettlight	SZ.4315150	Rittal	RIT.4315150
==CNV=F+10-H1	1	Nut M6	TS.8800806	Rittal	RIT.8800806
==CNV=F+10-H2	1	Cabinett light	SZ.4138140	Rittal	RIT.4138140
==CNV=F+10-H2	1	Cable to Cabinettlight	SZ.4315150	Rittal	RIT.4315150
==CNV=F+10-H2	1	Nut M6	TS.8800806	Rittal	RIT.8800806
==CNV=F+10-K1	1	Emergency stop relay	PNOZ X3	Pilz	PNOZ X3

Parts list

F01_001UK

Device tag	Quantity	Designation	Typnummer	Supplier	Part number
==CNV=F+10-K2	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K2	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K3	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K3	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K4	1	Relay 2 pol. 24 VDC	40.52.7.024.0000	Finder	40.52.7.024.0000
==CNV=F+10-K4	1	Base 2 pol. relay	95.85.3SMA	Finder	95.85.3SMA
==CNV=F+10-K5	1	Relay 2 pol. 24 VDC	40.52.7.024.0000	Finder	40.52.7.024.0000
==CNV=F+10-K5	1	Base 2 pol. relay	95.85.3SMA	Finder	95.85.3SMA
==CNV=F+10-K6	1	Relay 2 pol. 24 VDC	40.52.7.024.0000	Finder	40.52.7.024.0000
==CNV=F+10-K6	1	Base 2 pol. relay	95.85.3SMA	Finder	95.85.3SMA
==CNV=F+10-K7	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K7	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K8	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K8	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K9	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-K9	1	Aux. Contact 1NO/1NC	3RH2911-1HA11	Siemens	SIE.3RH2911-1HA11
==CNV=F+10-K10	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K10	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K11	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K11	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K12	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K12	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K13	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K13	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K14	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K14	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K15	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K15	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K16	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K16	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-K17	1	Relay 1 pol. 24 VDC	40.31	Finder	40.31
==CNV=F+10-K17	1	Base 1 pol. relay	95.83.1	Finder	95.83.1
==CNV=F+10-P1	1	Panel OP 177B	6AV6642-0DC01-1AX1	Siemens	6AV6642-0DC01-1AX1
==CNV=F+10-P1	1	Multi media card - 128 MB	6AV6671-1CB00-0AX2	Siemens	6AV6671-1CB00-0AX2
==CNV=F+10-P1	1	MPI plug OP	6GK1500-0EA01	Siemens	6GK1500-0EA01
==CNV=F+10-P2	1	Lamp, Red 24Vdc	3SB3217-6AA20	Siemens	3SB3217-6AA20
==CNV=F+10-Q1	1	Motorprotectionrelay 22 - 32 Amp.	3RV2021-4EA10	Siemens	SIE.3RV2021-4EA10
==CNV=F+10-Q1	1	Doorhandle	3RV2926-0K	Siemens	3RV2926-0K
==CNV=F+10-Q2	1	Contactor 11 Kw 2NO/2NC 24Vdc	3RT2026-1BB44	Siemens	SIE.3RT2026-1BB44
==CNV=F+10-Q3	1	Contactor 11 Kw 2NO/2NC 24Vdc	3RT2026-1BB44	Siemens	SIE.3RT2026-1BB44
==CNV=F+10-Q6	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-Q6	1	Aux. Contact 2NO/2NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
==CNV=F+10-Q7	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-Q7	1	Aux. Contact 2NO/2NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
==CNV=F+10-Q8	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-Q9	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-Q10	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-Q11	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-Q12	1	Contactor 3Kw 1NC 24Vdc	3RT2015-1BB42	Siemens	SIE.3RT2015-1BB42
==CNV=F+10-S1	1	Button with light, Green 24Vdc	3SB3220-0AA41	Siemens	3SB3220-0AA41
==CNV=F+10-S2	1	Emergency Stop Button	3SB3203-1HA20	Siemens	3SB3203-1HA20
==CNV=F+10-S2	1	Contact Block 1NC	3SB3400-0C	Siemens	3SB3400-0C
==CNV=F+10-T1	1	Trafo	URST 2500	Riedel Transformerbau	URST 2500

Parts list

F01_001UK

Device tag	Quantity	Designation	Typnummer	Supplier	Part number
==CNV=F+10-T2	1	Power supply 10 Amp.	6EP1334-3BA00	Siemens	6EP1334-3BA00
==CNV=F+10-T3	1	Power supply 10 Amp.	6EP1334-3BA00	Siemens	6EP1334-3BA00
==CNV=F+10-T4	1	Trafo prim. 230 vac - sek. 2 x 21-24-30 vac	URST 400	Riedel Transformerbau	URST 400
==CNV=F+10-T5	1	Trafo prim. 230 vac - sek. 2 x 21-24-30 vac	URST 400	Riedel Transformerbau	URST 400
==CNV=F+10-T6	1	Frequencyinverter 1,5 KW 3x400	E84AVSCE1524SX0	Lenze	E84AVSCE1524SX0
==CNV=F+10-T6	1	Keypad X400	EZAEBK1001	Lenze	EZAEBK1001
==CNV=F+10-T7	1	Frequencyinverter 0,37 KW 3x400	E84AVSCE3714SX0	Lenze	E84AVSCE3714SX0
==CNV=F+10-T8	1	Frequencyinverter 0,37 KW 3x400	E84AVSCE3714SX0	Lenze	E84AVSCE3714SX0
==CNV=F+10-T9	1	Frequencyinverter 0,37 KW 3x400	E84AVSCE3714SX0	Lenze	E84AVSCE3714SX0
==CNV=F+10-T10	1	Frequencyinverter 0,55 KW 3x400	E84AVSCE5514SX0	Lenze	E84AVSCE5514SX0
==CNV=F+10-X1	1	WEIDMÜLLER terminals	WEIDMÜLLER	Wexøe	WEIDMÜLLER
==CNV=F+10-X1	1	TS Cabinett	8805500	Rittal	8805500
==CNV=F+10-X1	1	TS side panel 2000 x 500 mm	8105235	Rittal	8105235
==CNV=F+10-X1	1	Basepart front/back 1000x200	TS.8602000	Rittal	RIT.8602000
==CNV=F+10-X1	1	TS Base 1200 x 200	8202200	Rittal	8202200
==CNV=F+10-X1	2	Base 500 x 200	TS 8602.050	Rittal	TS 8602.050
==CNV=F+10-X1	1	Fitting	TS.8800430	Rittal	RIT.8800430
==CNV=F+10-X1	2	Comfort handle	TS.8611020	Rittal	RIT.8611020
==CNV=F+10-X2	1	Servicesocket Schuko	SZ.2506100	Rittal	RIT.2506100
==CNV=F+24-B1	1	Door Contact with lock	I200-M0323	SICK	I200-M0323
==CNV=F+24-B1	1	Key to Door Contact	IE200-S1	SICK	IE200-S1
==CNV=F+24-B2	1	Reedcontact, M8 - 3P.	SME-8M-24-	FESTO	SME-8M-24-
==CNV=F+24-B3	1	Reedcontact, M8 - 3P.	SME-8M-24-	FESTO	SME-8M-24-
==CNV=F+24-B4	1	Reedcontact, M8 - 3P.	SME-8M-24-	FESTO	SME-8M-24-
==CNV=F+24-B5	1	Photocell	RL28-8-H-2000-IR/49/105	Pepperl & Fuchs	RL28-8-H-2000-IR/49/105
==CNV=F+24-B6	1	Photocell	RL28-8-H-2000-IR/49/105	Pepperl & Fuchs	RL28-8-H-2000-IR/49/105
==CNV=F+24-B7	1	Photocell	RL28-8-H-2000-IR/49/105	Pepperl & Fuchs	RL28-8-H-2000-IR/49/105
==CNV=F+24-B8	1	Proximity Switch 18mm NO	NBN8-18GM50-E2-V1	Pepperl & Fuchs	NBN8-18GM50-E2-V1
==CNV=F+24-B9	1	Proximity Switch 18mm NO	NBN8-18GM50-E2-V1	Pepperl & Fuchs	NBN8-18GM50-E2-V1
==CNV=F+24-B10	1	Proximity Switch 12 MM NO	NBN4-12GM50-E2-V1	Pepperl & Fuchs	NBN4-12GM50-E2-V1
==CNV=F+24-B12	1	Photocell	RLK23-2000	Pepperl & Fuchs	RLK23-2000
==CNV=F+24-B13	1	Proximity Switch 12 MM NC	NBN4-12GM60-A2-V1	Pepperl & Fuchs	NBN4-12GM60-A2-V1
==CNV=F+24-B14	1	Limitswitch	XCKP2118P16	SCHNEIDER ELECTRIC	XCKP2118P16
==CNV=F+24-B15	1	Limitswitch	XCKP2118P16	SCHNEIDER ELECTRIC	XCKP2118P16
==CNV=F+24-B16	1	Proximity Switch 12 MM NO	NBN4-12GM50-E2-V1	Pepperl & Fuchs	NBN4-12GM50-E2-V1
==CNV=F+24-B17	1	Proximity Switch 12 MM NC	NBN4-12GM60-A2-V1	Pepperl & Fuchs	NBN4-12GM60-A2-V1
==CNV=F+24-B18	1	Proximity Switch 12 MM NO	NBN4-12GM50-E2-V1	Pepperl & Fuchs	NBN4-12GM50-E2-V1
==CNV=F+24-B19	1	Limitswitch	XCKP2145P16	SCHNEIDER ELECTRIC	XCKP2145P16
==CNV=F+24-B20	1	Analog Proximity switch With M12 plug	XS4 P12 AB120 LD01	SCHNEIDER ELECTRIC	XS4 P12 AB120 LD01
==CNV=F+24-W110	1	Cable 25G0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119125
==CNV=F+24-W111	1	Cable 18G0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119118
==CNV=F+24-W112	1	Cable 18G0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119118
==CNV=F+24-W113	1	Cable 12G0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119112
==CNV=F+24-W120	1	Cable 25G0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119125
==CNV=F+24-W121	1	Cable 18G0,75 Core with numbers HIGH FLEX	ÖLFLEX FD CLASSIC 810	LAPP Group	LAPP.0026126
==CNV=F+24-W123	1	Cable 7G0,75 Core with numbers HIGH FLEX	ÖLFLEX FD CLASSIC 810	LAPP Group	LAPP.0026123
==CNV=F+24-W1190	1	Cable 12G0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119112
==CNV=F+24-W3110	1	Cable 4G2,5 Core with numbers scheilded HIGH FLEX	ÖLFLEX® FD 891 CY BLACK	LAPP Group	LAPP.1027404
==CNV=F+24-W3111	1	Cable 4G2,5 Core with numbers scheilded HIGH FLEX	ÖLFLEX® FD 891 CY BLACK	LAPP Group	LAPP.1027404
==CNV=F+24-W3112	1	Cable 4G2,5 Core with numbers scheilded HIGH FLEX	ÖLFLEX® FD 891 CY BLACK	LAPP Group	LAPP.1027404
==CNV=F+24-W3113	1	Cable 4G2,5 Core with numbers scheilded HIGH FLEX	ÖLFLEX® FD 891 CY BLACK	LAPP Group	LAPP.1027404
==CNV=F+24-W4110	1	Cable 7G2,5 Core with numbers scheilded	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	LAPP Group	LAPP.1121346
==CNV=F+24-W4111	1	Cable 7G2,5 Core with numbers scheilded	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	LAPP Group	LAPP.1121346

Parts list

F01_001UK

Device tag	Quantity	Designation	Typnummer	Supplier	Part number
==CNV=F+24-W4112	1	Cable 7G2,5 Core with numbers scheilded	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	LAPP Group	LAPP.1121346
==CNV=F+24-W31120	1	Cable 7G2,5 Core with numbers scheilded	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	LAPP Group	LAPP.1121346
==CNV=F+24-W36120	1	Cable 4G2,5 Core with numbers scheilded HIGH FLEX	ÖLFLEX® FD 891 CY BLACK	LAPP Group	LAPP.1027404
==CNV=F+24-W39120	1	Cable 4G2,5 Core with numbers scheilded HIGH FLEX	ÖLFLEX® FD 891 CY BLACK	LAPP Group	LAPP.1027404
==CNV=F+24-W46110	1	Cable 7G2,5 Core with numbers scheilded	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	LAPP Group	LAPP.1121346
==CNV=F+24-W51120	1	Cable 7G2,5 Core with numbers scheilded	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	LAPP Group	LAPP.1121346
==CNV=F+24-WB5	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB6	1	M12 - 4x0,34 - 10M - Female Straight Cable grey	M12 - 10M - Female Straight	Høier & Vendelbo	M12 - 10M - Female Straight
==CNV=F+24-WB7	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB8	1	M12 - 4x0,34 - 5M - Female 90 Cable grey	M12 - 5M - Female 90	Høier & Vendelbo	M12 - 5M - Female 90
==CNV=F+24-WB9	1	M12 - 4x0,34 - 5M - Female 90 Cable grey	M12 - 5M - Female 90	Høier & Vendelbo	M12 - 5M - Female 90
==CNV=F+24-WB10	1	M12 - 4x0,34 - 5M - Female 90 Cable grey	M12 - 5M - Female 90	Høier & Vendelbo	M12 - 5M - Female 90
==CNV=F+24-WB11	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WB12	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB13	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB14	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WB15	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WB16	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB17	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB18	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WB19	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WB20	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==CNV=F+24-WM1	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WM2	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WM3	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WM4	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WM5	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WY5	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-WY6	1	Cable 2x0,75 Core with numbers	ÖLFLEX CLASSIC 110	LAPP Group	LAPP.1119802
==CNV=F+24-X11	1	Box 200x300x80 mm, Stainless	SSTB203008	ELDON	SSTB203008
==CNV=F+24-X12	1	Collector 24 connections	PF2324K002	TER	PF2324
==CNV=F+24-X13	1	Box 200x300x80 mm, Stainless	SSTB203008	ELDON	SSTB203008
==CNV=F+24-X14	1	Box 150x150x80 mm, Stainless	SSTB151508	ELDON	SSTB151508
==CNV=F+24-X21	1	Box 250x300x150 mm AISI 304	201-253-150	Sindal Stålindustri	201-253-150
==CNV=F+24-X22	1	Box 150x150x80 mm, Stainless	SSTB151508	ELDON	SSTB151508
==CNV=F+24-X23	1	Box 150x150x80 mm, Stainless	SSTB151508	ELDON	SSTB151508
==DCO=F+24-W31160	1	Cable 4G1,5 Core with numbers	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP Group	LAPP.1120309
==DCO=F+24-W34160	1	Cable 4G1,5 Core with numbers	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP Group	LAPP.1120309
==DCO=F+24-W37160	1	Cable 4G1,5 Core with numbers	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP Group	LAPP.1120309
==DCO=F+24-WB5	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==DCO=F+24-WB6	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight
==DCO=F+24-WB7	1	M12 - 4x0,34 - 5M - Female Straight Cable grey	M12 - 5M - Female Straight	Høier & Vendelbo	M12 - 5M - Female Straight

Terminal-strip overview

REO02

Terminal strip	Function text	Terminals					Terminal diagram page	Terminal conncetion diagram page
		first	last	Total PE	Total N	Total number		
==CNV=F+10-X1	Controlpanel	U	PE	1	0	4	/810	
==CNV=F+10-X10	=	1	PE	2	0	29		/900
==CNV=F+10-X20	=	1	PE	1	0	25		/910
==CNV=F+10-X60	=	1	10	0	0	15		/916
==CNV=F+10-X110	=	41	SH	4	0	14		/918
==CNV=F+10-X120	=	31	PE	7	0	23		/919
==CNV=F+10-X160	=	31	PE	3	0	12		/920
==CNV=F+10-X190	=	1	PE	1	0	12		/921
==CNV=F+10-X200	=	1	PE	1	0	11	/817	
==CNV=F+10-X210	=	1	PE	1	0	15	/818	
==CNV=F+10-XL4.1	Distribution 24 Vdc	1	50	0	0	50	/812	
==CNV=F+10-XL4.2	Distribution 24 Vdc after Emergency Stop	1	20	0	0	20	/814	
==CNV=F+10-XL5	Distribution 0 Vdc	1	50	0	0	50	/815	
==CNV=F+10-XPE	Distribution PE	1	30	30	0	30	/811	
==CNV=F+24-X11	Bottomframe	1	SH	5	0	46		/902
==CNV=F+24-X12	Collector	1	PE	4	0	27		/905
==CNV=F+24-X13	Turntable	1	SH	5	0	34		/907
==CNV=F+24-X14	Filmretainer	1	PE	2	0	25		/909
==CNV=F+24-X21	Tower	1	PE	2	0	30		/912
==CNV=F+24-X22	Filmcarriage	1	PE	1	0	26		/914
==CNV=F+24-X23	Topplate	1	PE	0	0	8		/915

Terminal diagram

F13_REO1

Strip

==CNV=F+10-X1

Controlpanel

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
			-Q1	2	U	,					=+/10.1
			-Q1	4	V	,					=+/10.1
			-Q1	6	W	,					=+/10.1
PE					PE						=+/10.1

Projekt started on	27-05-2013	Möllers	REO-PACK	Terminal diagram : ==CNV=F+10-X1	J20.462.711
Rev. Date	17-06-2013		Kongsdal Havn 4		=
Print Date	29-08-2013		DK-9550 Mariager		+
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00	J2000ISS & R2000	ePLAN electric B Page no. 810

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Terminal diagram

F13_REO1

Strip

==CNV=F+10-XPE

Distribution PE

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
			-XPE	2	1						=+/62.1
			-XPE	1	2						=+/62.1
			-XPE	2	3						=+/62.2
			-XPE	3	4						=+/62.2
			-XPE	4	5						=+/62.3
			-XPE	5	6						=+/62.3
			-XPE	6	7						=+/62.4
			-XPE	7	8						=+/62.4
			-XPE	8	9		-T3	PE			=+/62.4
			-XPE	9	10		-T1	PE			=+/62.5
			-XPE	10	11		-T1	4			=+/62.5
			-XPE	11	12		-T4	PE			=+/62.6
			-XPE	12	13		-T4	0			=+/62.6
			-XPE	13	14		-T5	PE			=+/62.7
			-XPE	14	15		-T5	0			=+/62.7
			-XPE	15	16						=+/62.8
			-XPE	16	17		-T2	PE			=+/62.8
			-XPE	17	18						=+/62.1
			-XPE	18	19		-T6	PE			=+/62.1
			-XPE	19	20		-T7	PE			=+/62.2
			-XPE	20	21		-T8	PE			=+/62.2
			-XPE	21	22		-T9	PE			=+/62.3
			-XPE	22	23		-T10	PE			=+/62.3
			-XPE	23	24						=+/62.4
			-XPE	24	25		-A1	PE			=+/62.4
			-XPE	25	26		-X2	PE			=+/62.4
			-XPE	26	27		-H1	PE			=+/62.5
			-XPE	27	28		-T2	-			=+/62.5
			-XPE	28	29		-P1	PE			=+/62.6
			-XPE	29	30						=+/62.6

Terminal diagram

F13_REO1

Strip

==CNV=F+10-XL4.1

Distribution 24 Vdc

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
					1		-A2	OUT 24V			=+/64.1
					2		-A3	L			=+/64.1
					3		-P1	L			=+/64.2
					4		-K1	+			=+/64.2
					5		-Q2	13			=+/64.3
					6		-X200	1			=+/64.3
					7		-X190	1			=+/64.4
					8						=+/64.4
					9						=+/64.4
					10		-K2	A1			=+/64.5
					11		-X10	1			=+/64.5
					12		-X20	1			=+/64.6
					13						=+/64.6
					14						=+/64.7
					15						=+/64.7
					16		-X60	1			=+/64.8
					17						=+/64.8
					18						=+/64.1
					19						=+/64.1
					20		-K10	11			=+/64.2
					21		-A7	1			=+/64.2
					22		-A8	1			=+/64.3
					23		-A9	1			=+/64.3
					24		-A10	1			=+/64.4
					25						=+/64.4
					26						=+/64.4
					27						=+/64.5
					28		-A4	L			=+/64.5
					29		-A5	L			=+/64.6
					30		-A15	1			=+/64.6

Terminal diagram

F13_REO1

Strip

==CNV=F+10-XL4.1

Distribution 24 Vdc

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	Cable type	Page / column
					31		-A11	1			=+/64.7
					32		-A11	11			=+/64.7
					33		-A12	1			=+/64.8
					34		-A12	11			=+/64.8
					35		-A13	1			=+/64.1
					36		-A13	11			=+/64.1
					37						=+/64.2
					38						=+/64.2
					39						=+/64.3
					40						=+/64.3
					41		-F21	33			=+/64.4
					42						=+/64.4
					43						=+/64.4
					44						=+/64.5
					45						=+/64.5
					46						=+/64.6
					47						=+/64.6
					48						=+/64.7
					49						=+/64.7
					50		-A14	1			=+/64.8

Terminal diagram

F13_REO1

Strip

==CNV=F+10-XL4.2

Distribution 24 Vdc after Emergency Stop

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
					1		-Q3	13			=+/68.1
					2		-S1	X1			=+/68.1
					3		-X10	24			=+/68.2
					4						=+/68.2
					5						=+/68.3
					6		-T6	RFR			=+/68.3
					7		-T7	RFR			=+/68.4
					8		-T8	RFR			=+/68.4
					9		-T9	RFR			=+/68.4
					10		-T10	RFR			=+/68.5
					11						=+/68.5
					12						=+/68.6
					13						=+/68.6
					14						=+/68.7
					15						=+/68.7
					16		-T6	24E			=+/68.8
					17		-T7	24E			=+/68.8
					18		-T10	24E			=+/68.1
					19						=+/68.1
					20		-A9	3			=+/68.2

Terminal diagram

F13_REO1

Strip

==CNV=F+10-XL5

Distribution 0 Vdc

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
					1		-A2;-T2	GND			=+/66.1
					2		-A3	M			=+/66.1
					3		-P1	M			=+/66.2
					4		-K1	-			=+/66.2
					5		-Q2	A2			=+/66.3
					6		-S1	X2			=+/66.3
					7		-X190	2			=+/66.4
					8						=+/66.4
					9						=+/66.4
					10		-K9	1			=+/66.5
					11		-X10	2			=+/66.5
					12		-X20	2			=+/66.6
					13						=+/66.6
					14						=+/66.7
					15						=+/66.7
					16		-X60	2			=+/66.8
					17						=+/66.8
					18						=+/66.1
					19						=+/66.1
					20		-A14	3'			=+/66.2
					21		-A7	20			=+/66.2
					22		-A8	20			=+/66.3
					23		-A9	20			=+/66.3
					24		-A10	20			=+/66.4
					25						=+/66.4
					26						=+/66.4
					27						=+/66.5
					28		-A4	M			=+/66.5
					29		-A5	M			=+/66.6
					30		-A15	20			=+/66.6

Terminal diagram

F13_REO1

Strip
==CNV=F+10-XL5
Distribution 0 Vdc

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
					31		-A11	10			=+/66.7
					32		-A11	20			=+/66.7
					33		-A12	10			=+/66.8
					34		-A12	20			=+/66.8
					35		-A13	10			=+/66.1
					36		-A13	20			=+/66.1
					37						=+/66.2
					38						=+/66.2
					39						=+/66.3
					40						=+/66.3
					41		-T6	GI0			=+/66.4
					42		-T7	GI0			=+/66.4
					43		-T8	GI0			=+/66.4
					44		-T9	GI0			=+/66.5
					45		-T10	GI0			=+/66.5
					46						=+/66.6
					47						=+/66.6
					48						=+/66.7
					49						=+/66.7
					50		-A14	20			=+/66.8

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Terminal diagram

F13_REO1

Strip

==CNV=F+10-X200

Controlpanel

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
24 Vdc			-XL4.1	6	1	,	==CP=P-8X2	X			=+/500.1
SIGNAL RUNNING SIGNAL PALLETIZER			-A9	12	3	,	==CP=P-8X2	X			=+/500.1
SIGNAL STACK READY TO TRANSFER			-A9	13	4	,	==CP=P-8X2	X			=+/500.2
SIGNAL FAULT PALLETIZER			-A9	14	5	,	==CP=P-8X2	X			=+/500.3
SIGNAL SPARE			-A9	15	6	,	==CP=P-8X2	X			=+/500.4
			-K14	11	21	,	==CP=P-8X2	X			=+/505.1
SIGNAL RUNNING SIGNAL FOIL MASCHINE			-K14	14	22	,	==CP=P-8X2	X			=+/505.1
SIGNAL STACK READY TO ACCEPT			-K15	14	23	,	==CP=P-8X2	X			=+/505.2
SIGNAL FAULT FOIL MASCHINE			-K16	14	24	,	==CP=P-8X2	X			=+/505.3
SIGNAL SPARE			-K17	14	25	,	==CP=P-8X2	X			=+/505.4
PE					PE		==CP=P-8X2	PE			=+/505.4

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Terminal diagram : ==CNV=F+10-X200

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Page no. 817

816 Previus Page

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Terminal diagram

F13_REO1

Strip
==CNV=F+10-X210
Controlpanel

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
EMERGENCY STOP BUTTON			-S2	12	1	,	==CP=P-8X2	5			=+/30.1
=			-S2	11	2	,	==CP=P-8X2	6			=+/30.1
=			-S2	22	3	,	==CP=P-8X2	7			=+/30.1
=			-S2	21	4	,	==CP=P-8X2	8			=+/30.1
=			-S2	4	5	,	==CP=P-8X2	9			=+/30.2
=			-S2	3	6	,	==CP=P-8X2	10			=+/30.2
DOORCONTACT			-X190	5	11	,					=+/30.2
=			-X190	6	12	,					=+/30.2
=			-X190	7	13	,					=+/30.3
=			-X190	8	14	,					=+/30.3
=			-K1	S21	21	,	==CP=P-8X2	1			=+/30.4
=			-K1	S22	22	,	==CP=P-8X2	2			=+/30.4
=			-K1	S31	23	,	==CP=P-8X2	3			=+/30.4
=			-K1	S32	24	,	==CP=P-8X2	4			=+/30.4
=					PE						=+/30.5

Terminal-connection diagram

F11_003_REO
18-06-2013 SCN

==CNV=F+10-X10 Controlpanel

Jumpers

Terminal

Connection point

+24-W110
OLFLEX CLASSIC 110 G
25x0,75

+24-X11
1
TURNTABLE

+24-W111
OLFLEX CLASSIC 110 G
18x0,75

+24-WB8
M12-5M 4x0,34 mm²

+24-WB9
M12-5M 4x0,34 mm²

+24-WB10
M12-5M 4x0,34 mm²

+24-WB11
OLFLEX CLASSIC 110
2x0,75

+24-WM1
OLFLEX CLASSIC 110
2x0,75

+24-X12
1
CONVEYOR
ON WRAPPER

+24-B8
PROXIMITY
TURNTABLE
STOP

+24-B9
PROXIMITY
TURNTABLE
0 GR.

+24-B10
PROXIMITY
TURNTABLE
IMPULS

+24-B11
AIRPRESSURE
CONTROL

+24-M1
TURNTABLE

+24-W112
OLFLEX CLASSIC 110 G
18x0,75

+24-X13
1
CONVEYOR
ON WRAPPER

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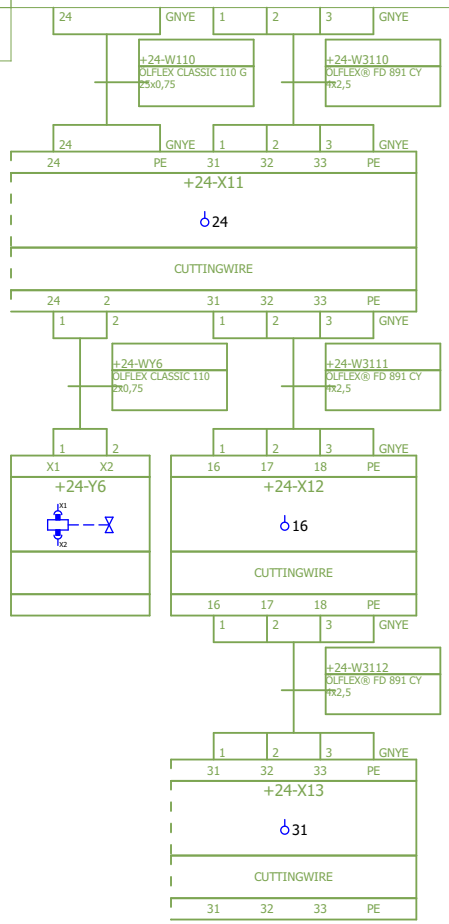
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Terminal-connection diagram

F11_003_REO
25-06-2013 SCN

==CNV=F+10-X10 Controlpanel

Jumpers	- - - -
Terminal	24 PE 31 32 33 PE
Connection point	



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Terminal-connection diagram

F11_003_REO
04-07-2013 SCN

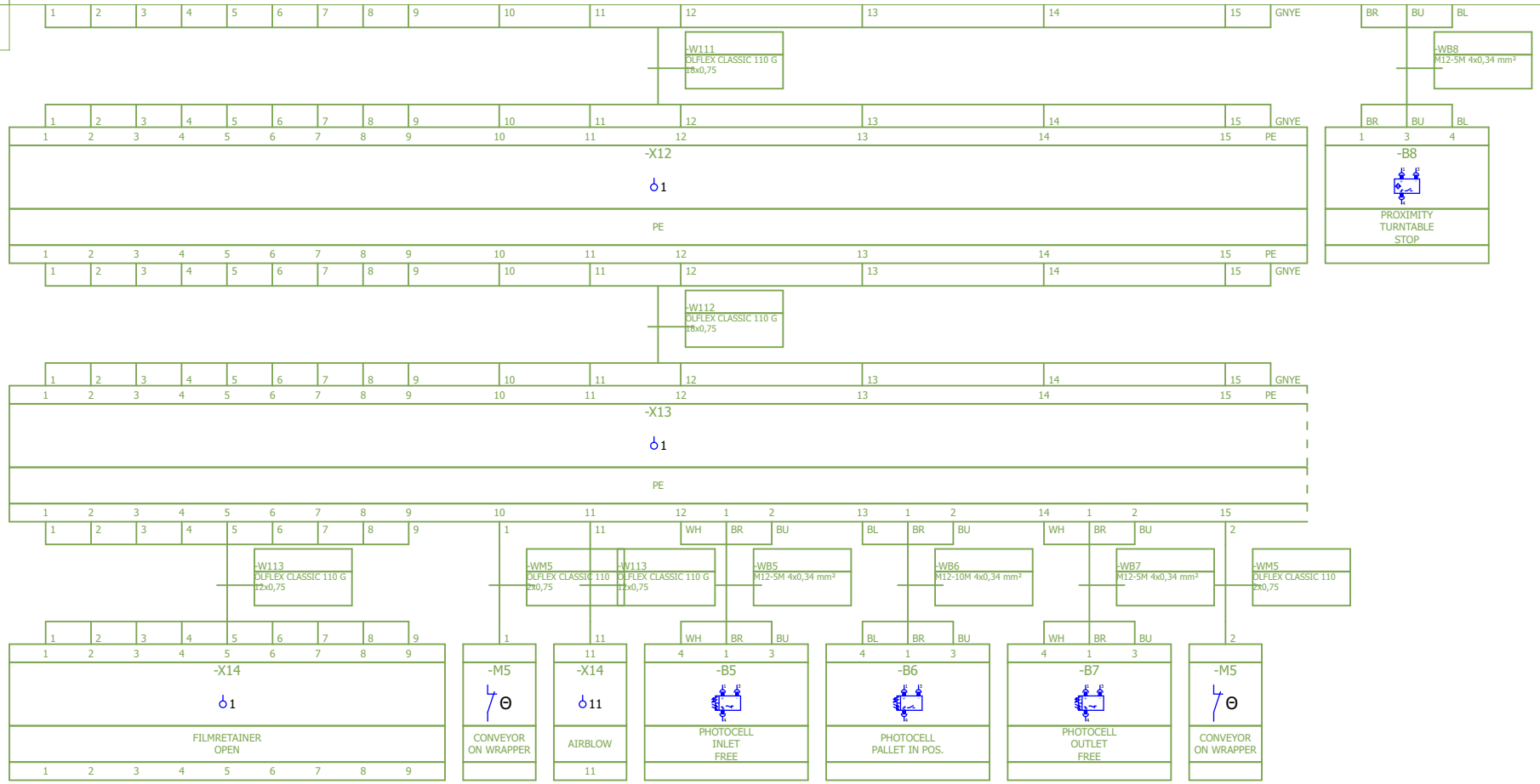
==CNV=F+24-X11 Bottomframe

Jumpers

Terminal

Connection point

SSTB203008



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Terminal-connection diagram

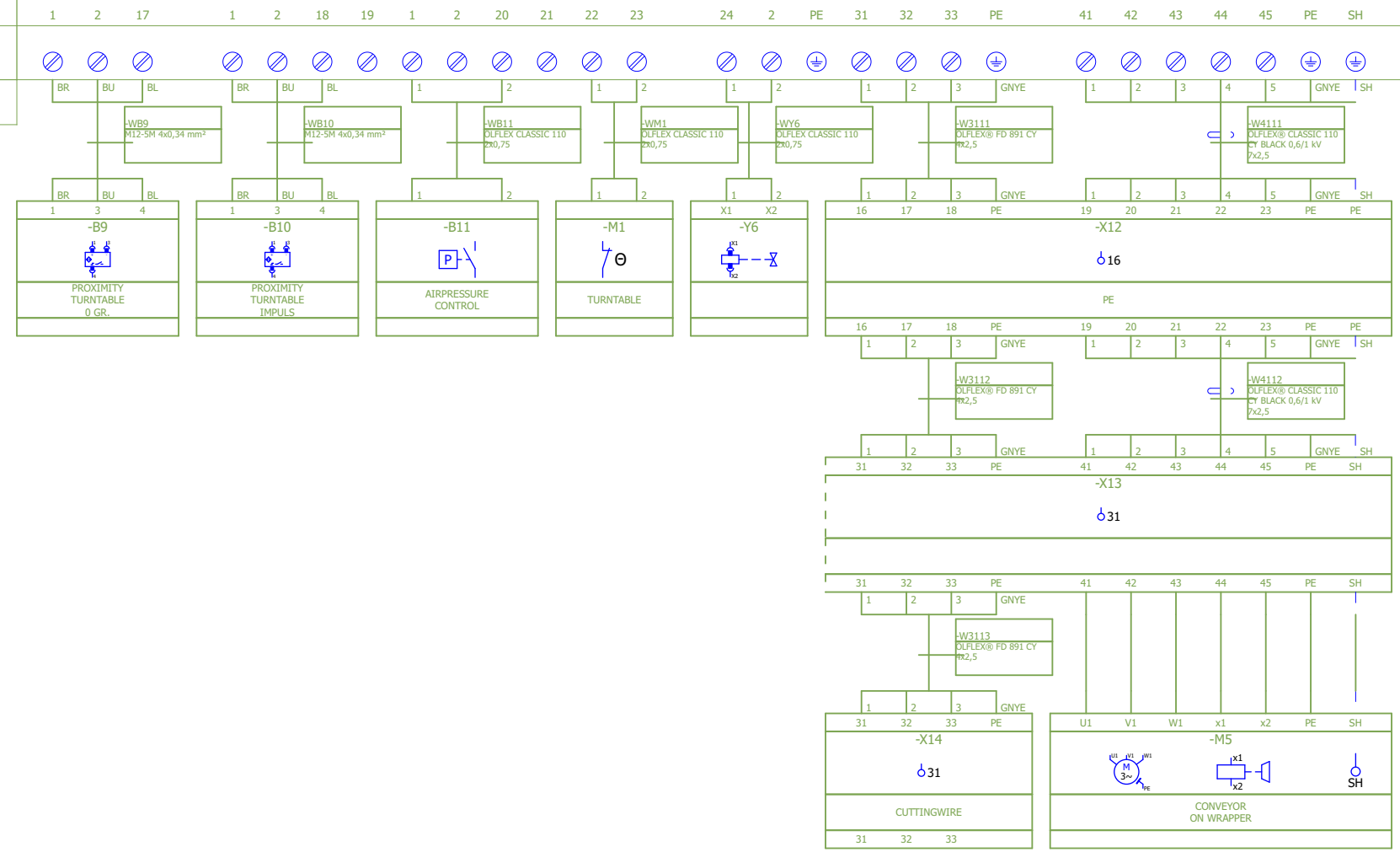
F11_003_REO
25-06-2013 SCN

==CNV=F+24-X11 Bottomframe

Jumpers

Terminal

Connection point



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Terminal-connection diagram

F11_003_REO
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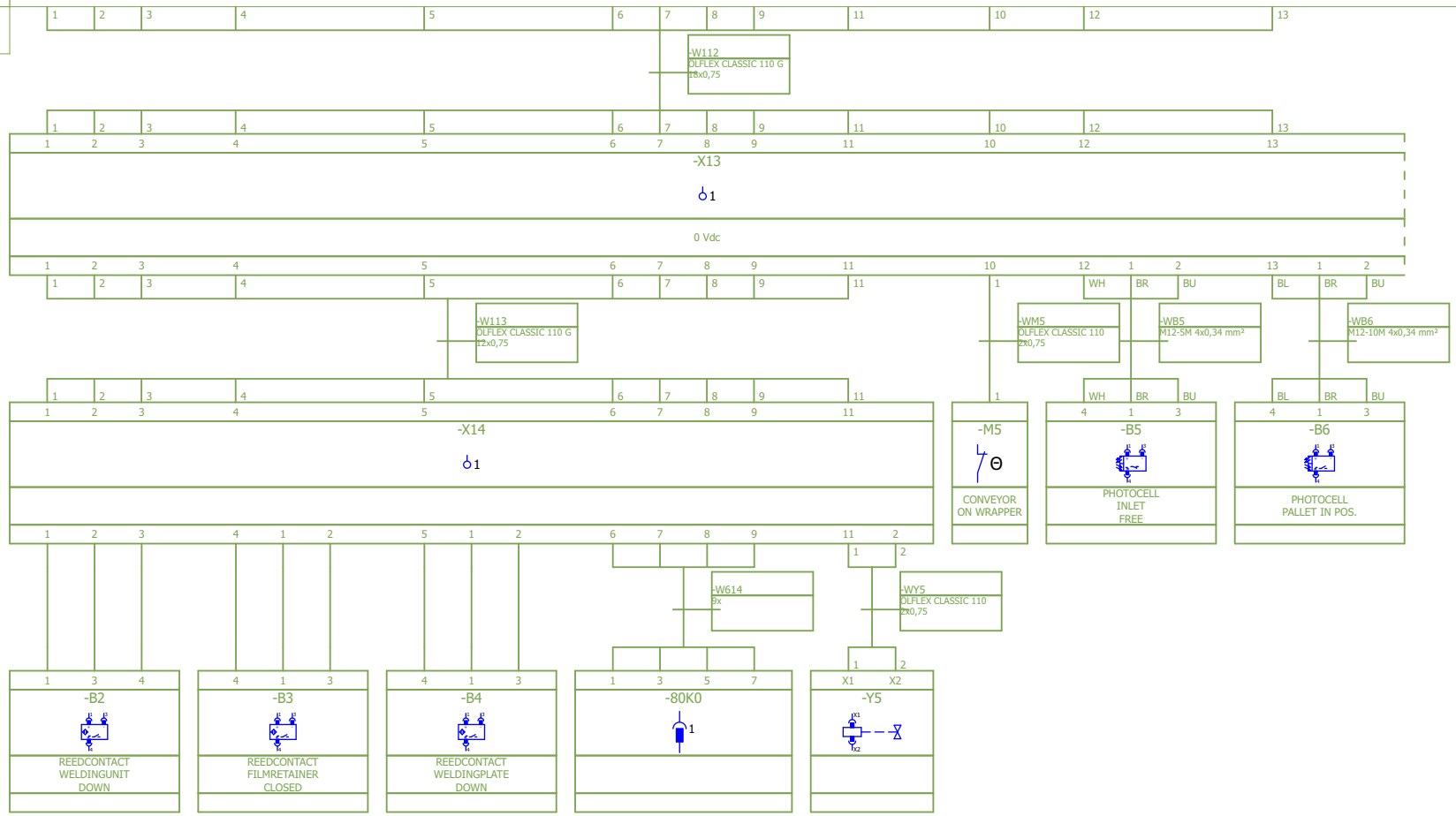
==CNV=F+24-X12 Collector

Jumpers

Terminal

Connection point

PF2324



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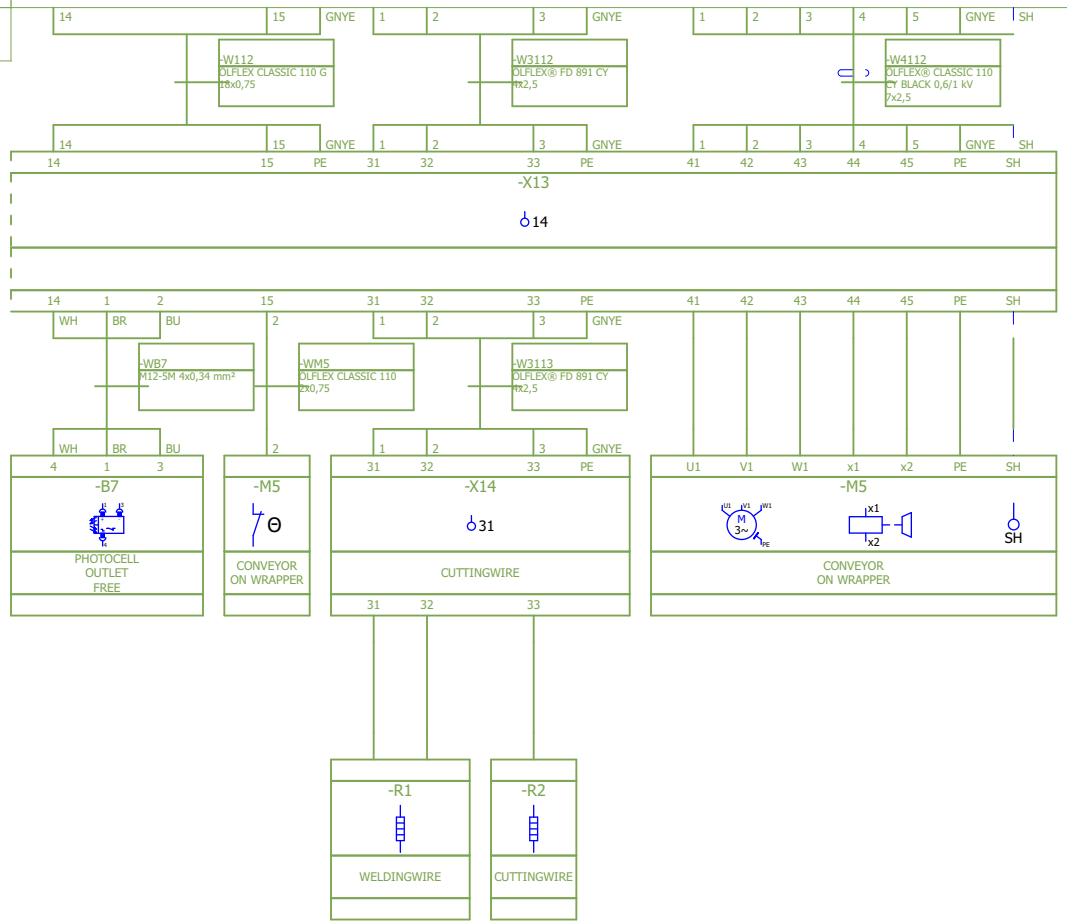
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Terminal-connection diagram

F11_003_REO
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==CNV=F+24-X12 Collector

Jumpers	- - - - - - - - - - -
Terminal	14 15 PE 16 17 18 PE 19 20 21 22 23 PE PE
Connection point	



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Terminal-connection diagram

F11_003_REO
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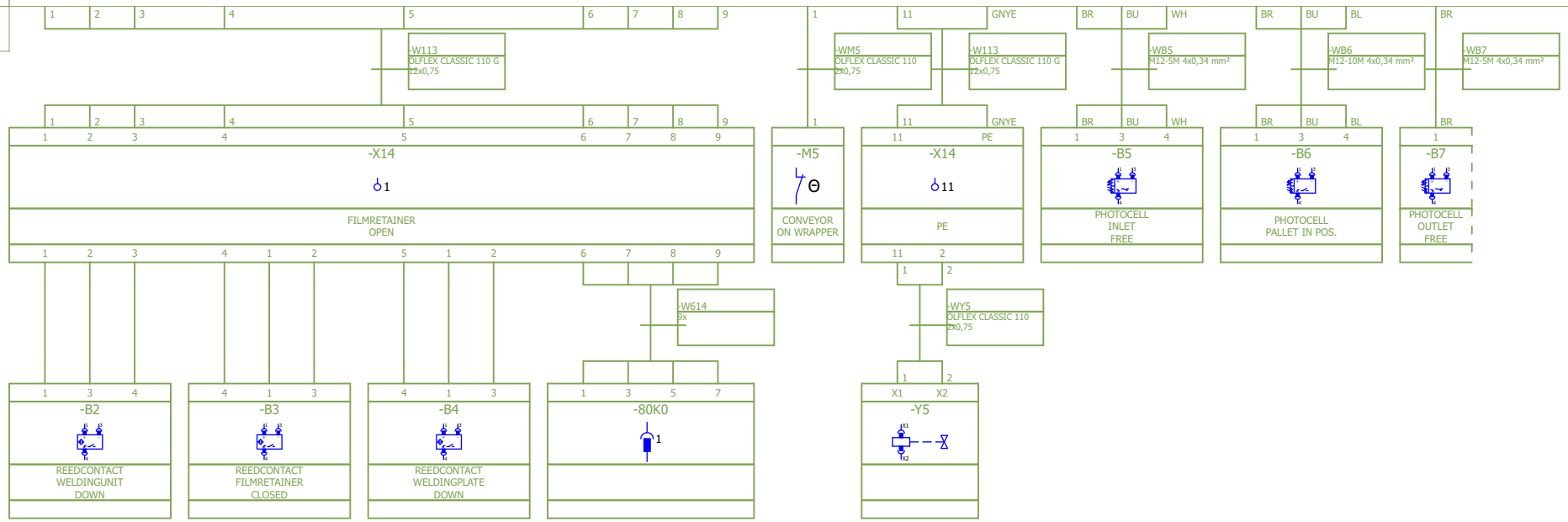
==CNV=F+24-X13 Turntable

Jumpers

Terminal 1 2 3 4 5 6 7 8 9 10 11 PE 1 2 12 1 2 13 1

Connection point

SSTB203008



Terminal-connection diagram

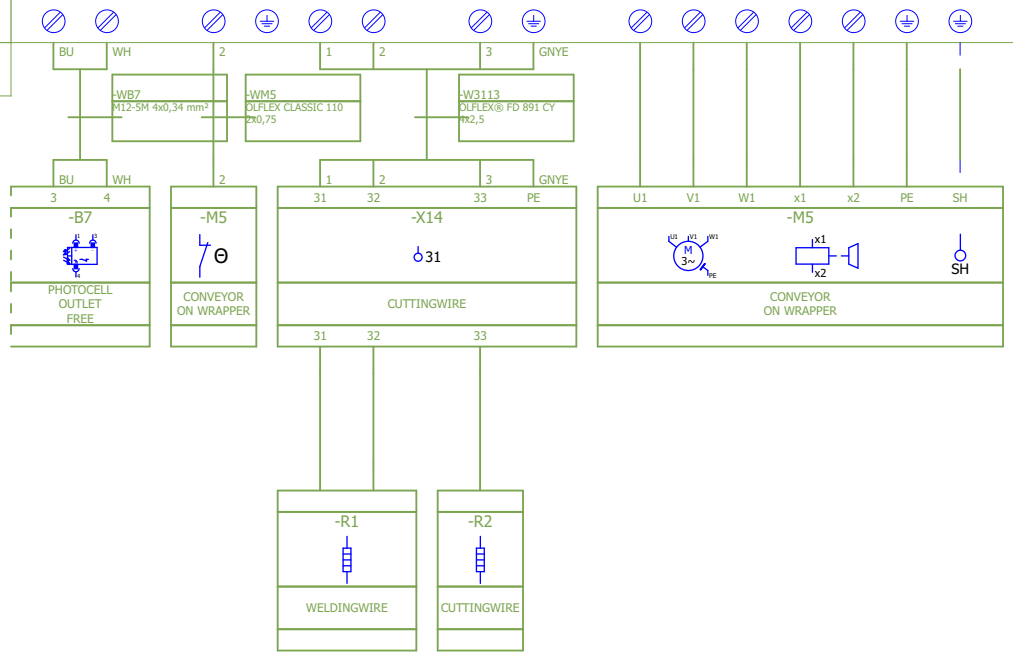
F11_003_REO
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==CNV=F+24-X13 Turntable

Jumpers

Terminal

Connection point



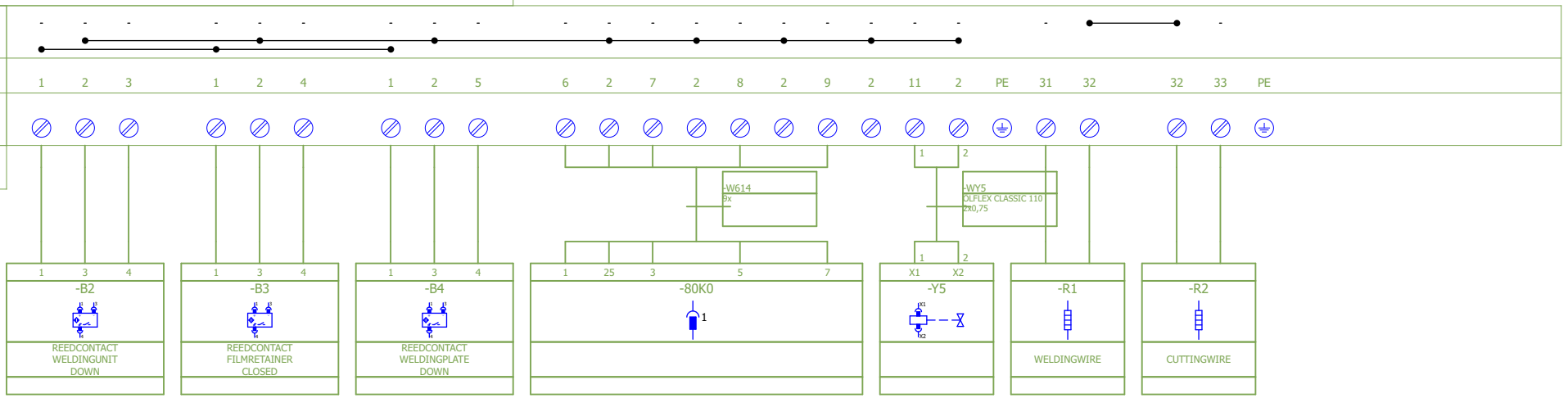
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Terminal-connection diagram

F11_003_REO
25-06-2013 SCN

==CNV=F+24-X14 Filmretainer



Terminal-connection diagram

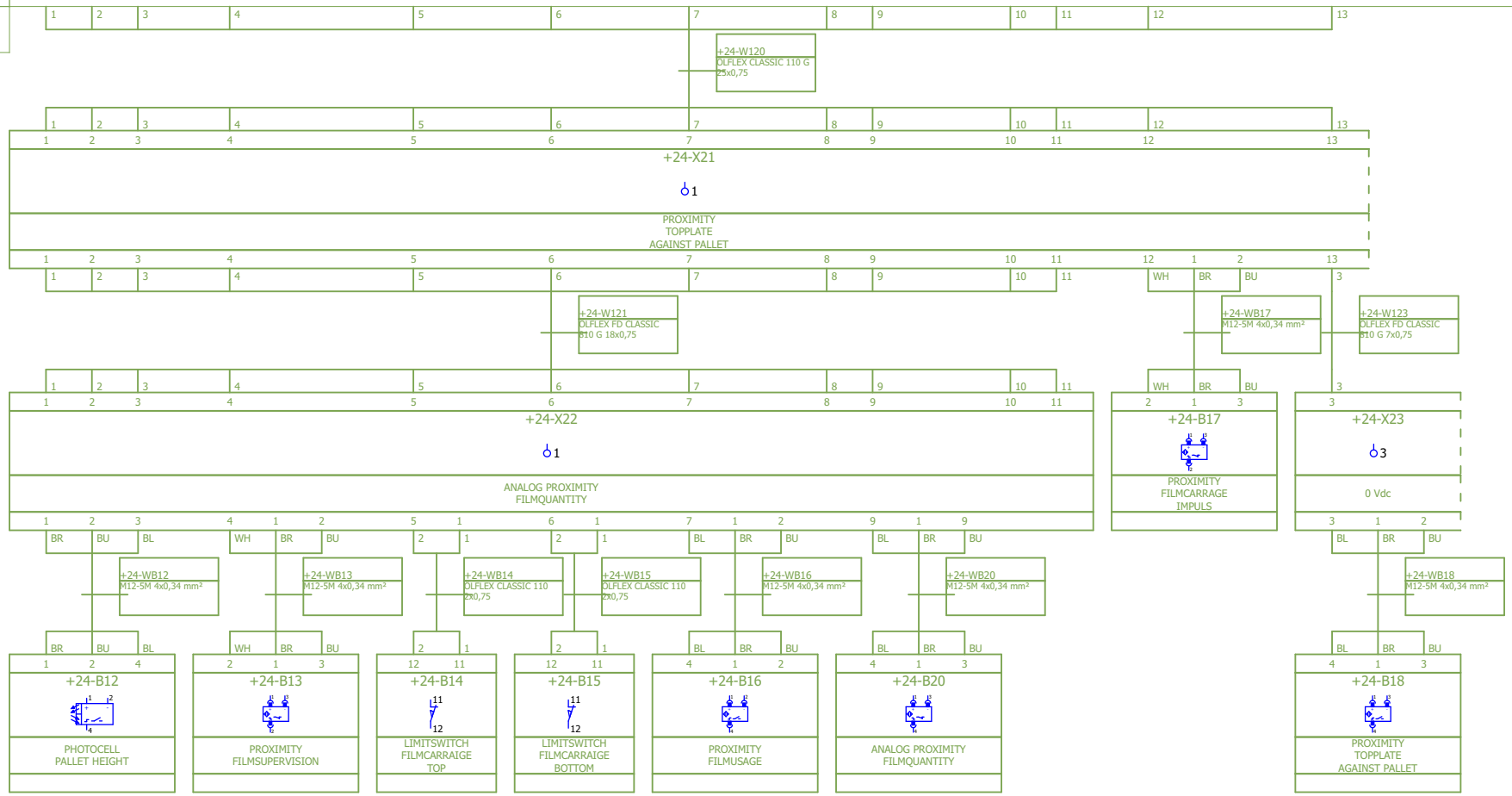
F11_003_REO
26-06-2013 SCN

==CNV=F+10-X20 Controlpanel

Jumpers

Terminal

Connection point



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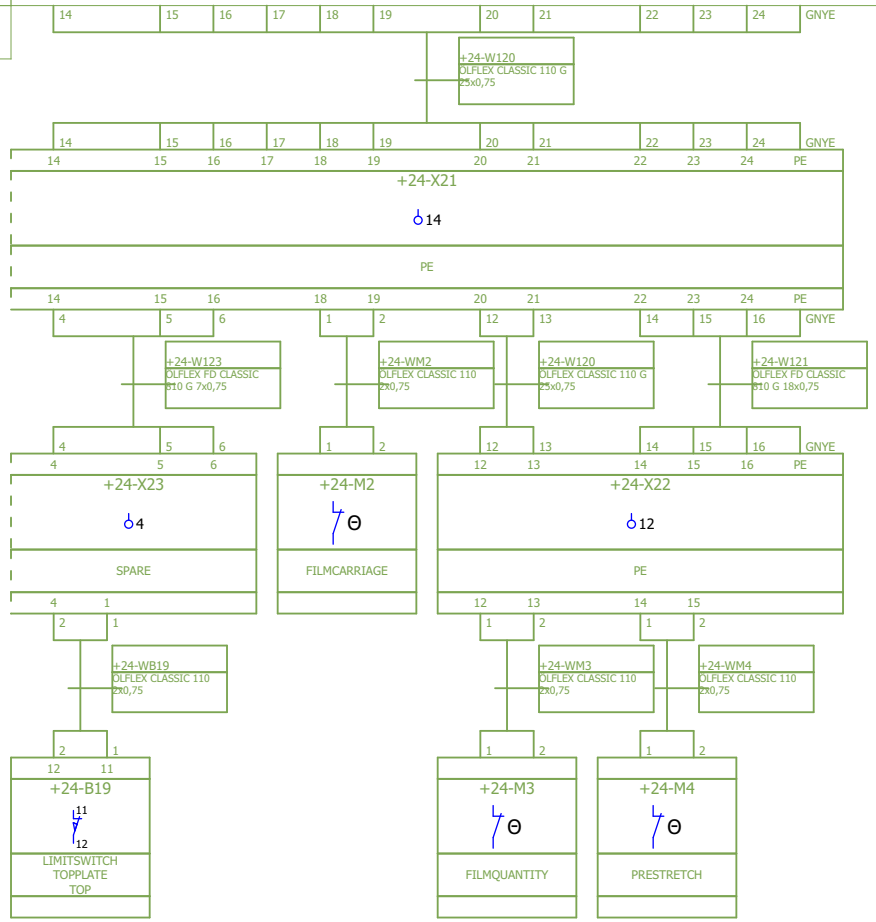
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Terminal-connection diagram

F11_003_REO
04-07-2013 SCN

==CNV=F+10-X20 Controlpanel

Jumpers	- - - - - - - - - - - -
Terminal	14 15 16 17 18 19 20 21 22 23 24 PE
Connection point	



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Terminal-connection diagram

F11_003_REO
04-07-2013 SCN

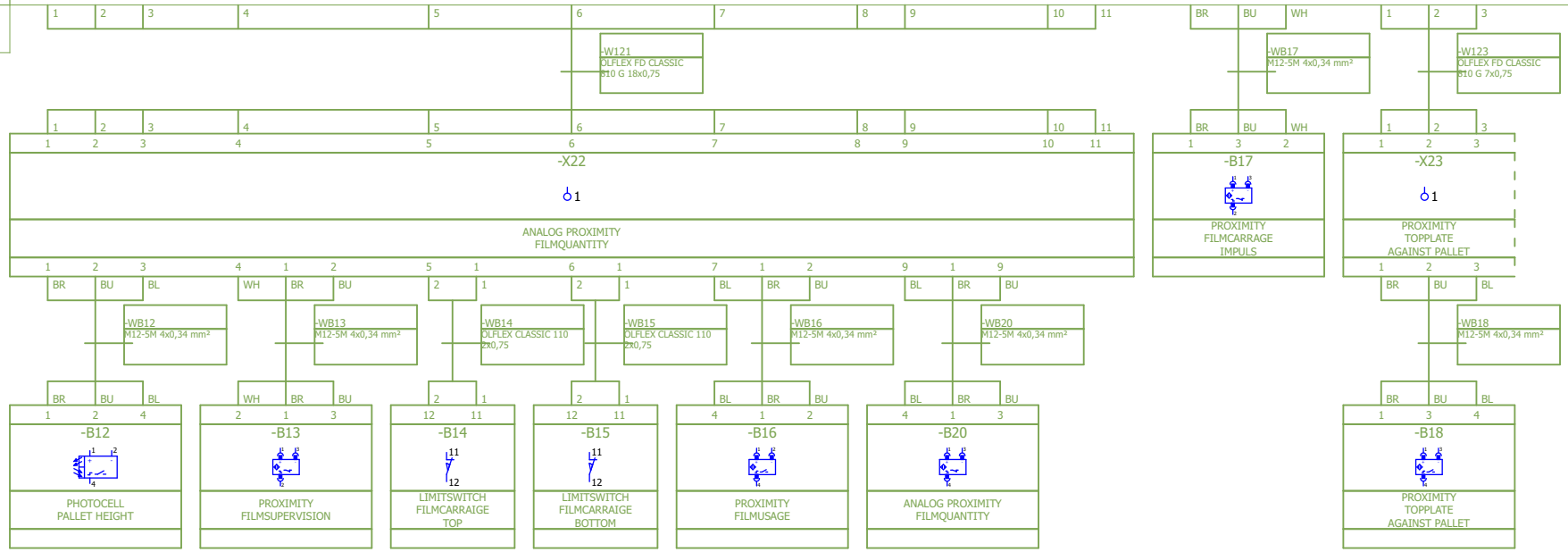
==CNV=F+24-X21 Tower

Jumpers

Terminal

Connection point

201-253-150



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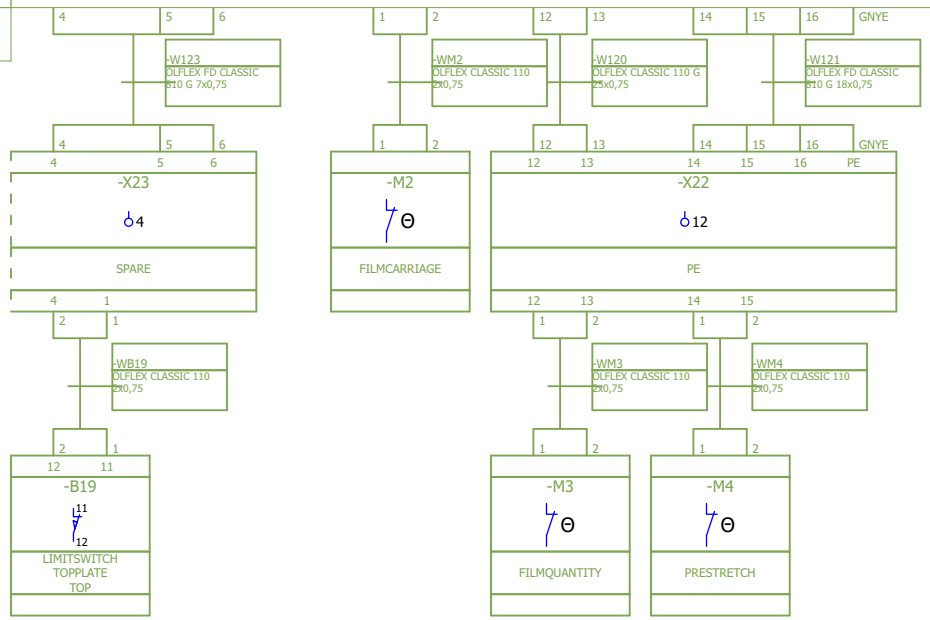
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Terminal-connection diagram

F11_003_REO
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==CNV=F+24-X21 Tower

Jumpers	- - - - - - - - - - - -
Terminal	14 15 16 17 PE 18 19 20 21 22 23 24 PE
Connection point	



Projekt started on	27-05-2013	Möllers	REO-PACK	Terminal-connection diagram : ==CNV=F+24-X21	J20.462.711	=
Rev. Date	04-07-2013		Kongsdal Havn 4			+
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B Page no. 913
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00			

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Terminal-connection diagram

F11_003_REO
26-06-2013 SCN

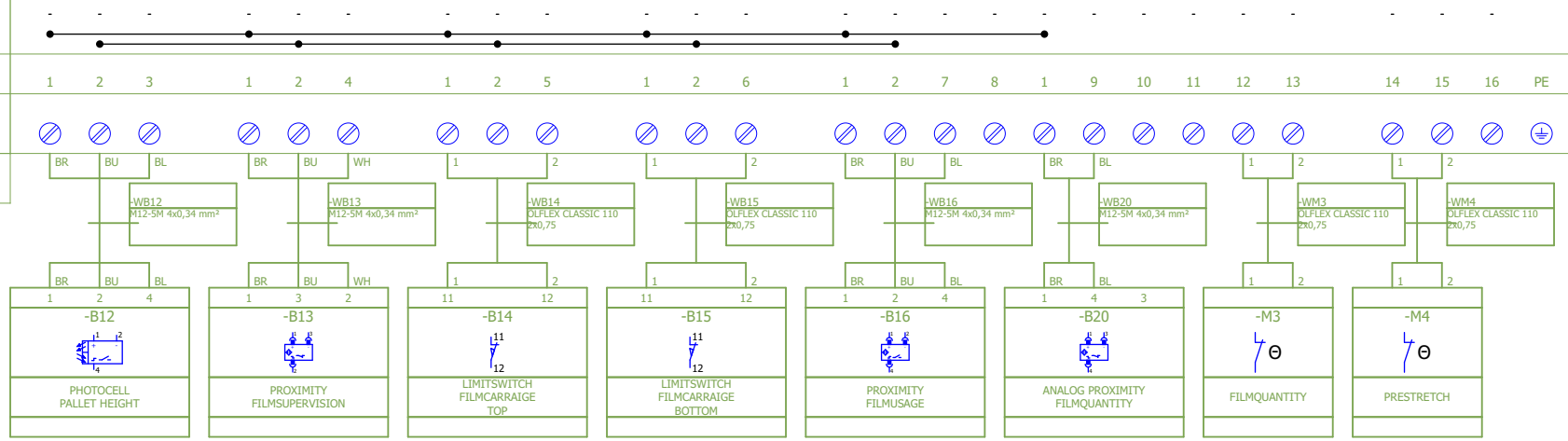
==CNV=F+24-X22 Filmcarriage

Jumpers

Terminal

Connection point

SSTB151508



Projekt started on	27-05-2013
Rev. Date	26-06-2013
Print Date	29-08-2013
Init.	SCN

Möllers

Technicas reunidas

REO-PACK
Kongsdal Havn 4
DK-9550 Mariager
Tlf: +45 98 58 41 00

Terminal-connection diagram : ==CNV=F+24-X22

J20.462.711

J2000ISS & R2000

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Page no. 914

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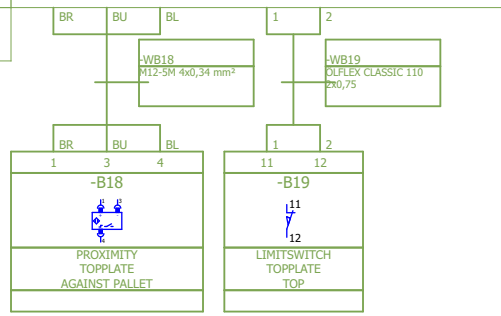
Numb of Pages 134

Terminal-connection diagram

F11_003_REO
18-06-2013 SCN

==CNV=F+24-X23 Topplate

Jumpers	
Terminal	1 2 3 1 4 5 6 PE
Connection point	
SSTB151508	



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Terminal-connection diagram

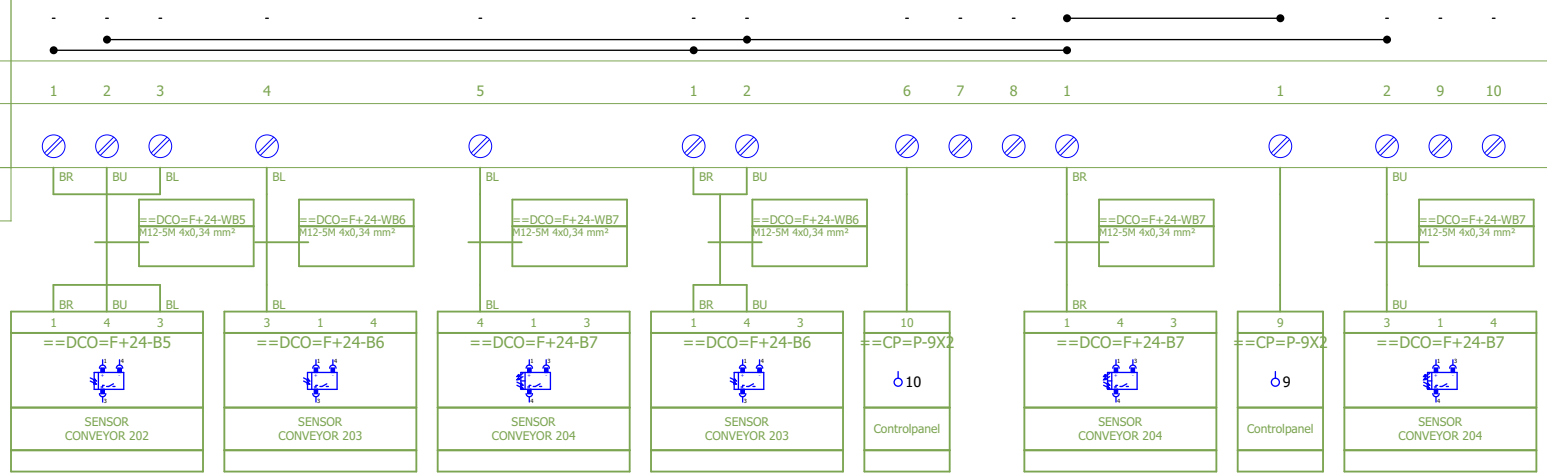
F11_003_REO
21-08-2013 SCN

==CNV=F+10-X60 Controlpanel

Jumpers

Terminal

Connection point



Projekt started on	27-05-2013	Möllers	REO-PACK	Terminal-connection diagram : ==CNV=F+10-X60	J20.462.711	=
Rev. Date	21-08-2013		Kongsdal Havn 4			+
Print Date	29-08-2013		DK-9550 Mariager			ePLAN electric P8
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00		J2000ISS & R2000	Page no. 916

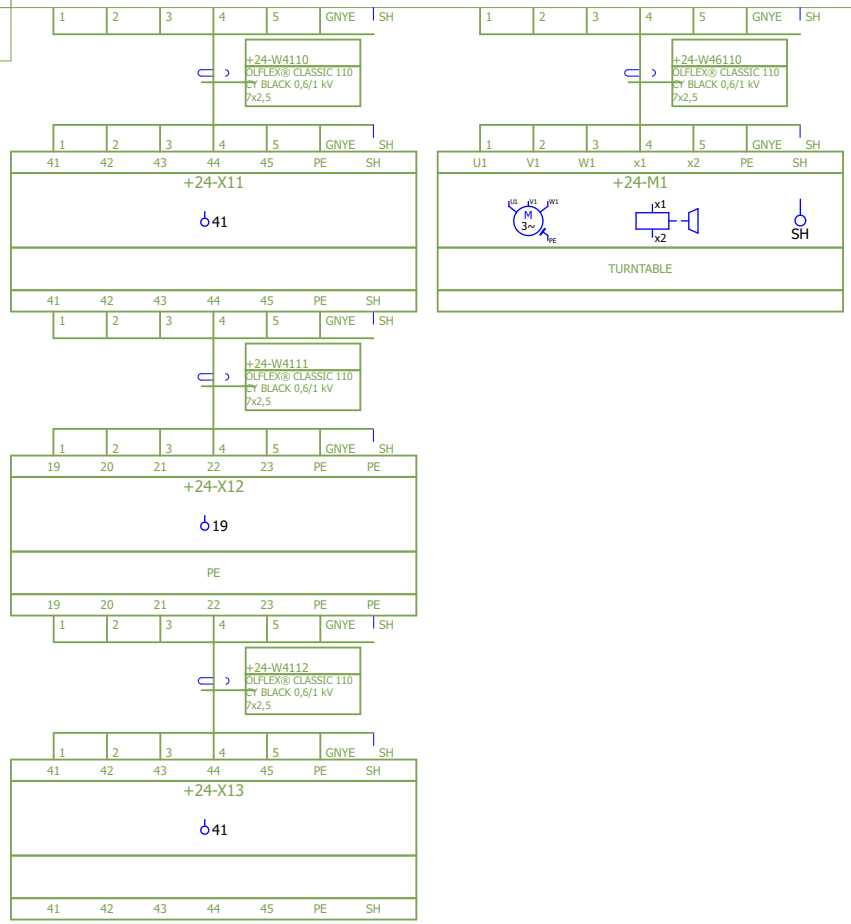
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Terminal-connection diagram

F11_003_REO
25-06-2013 SCN

==CNV=F+10-X110Controlpanel

Jumpers	
Terminal	41 42 43 44 45 PE SH 46 47 48 49 50 PE SH
Connection point	



Projekt started on	27-05-2013	Möllers	REO-PACK	Terminal-connection diagram : ==CNV=F+10-X110	020.462.711	=
Rev. Date	25-06-2013		Kongsdal Havn 4			+
Print Date	29-08-2013		DK-9550 Mariager			ePLAN electric B Page no.
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00		J2000ISS & R2000	918

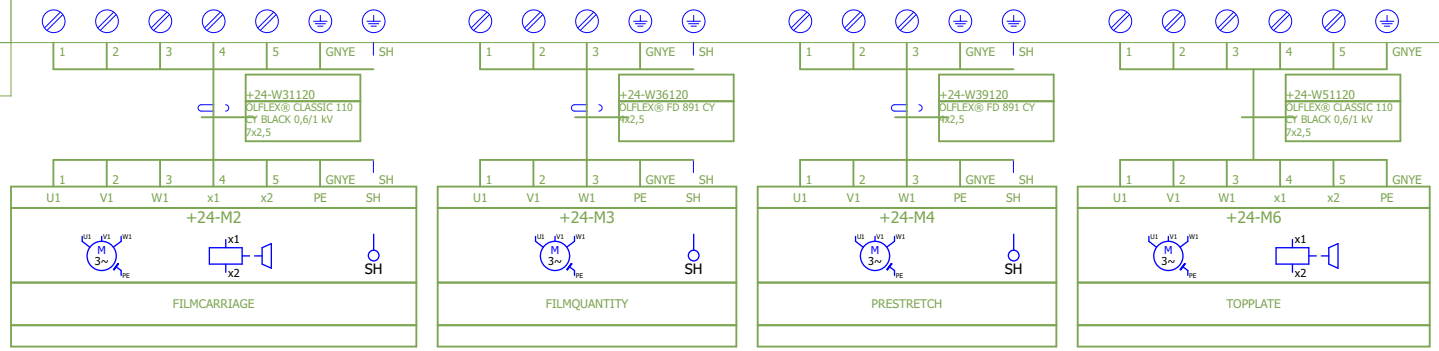
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Terminal-connection diagram

F11_003_REO
25-06-2013 SCN

==CNV=F+10-X120Controlpanel

Jumpers	
Terminal	31 32 33 34 35 PE SH 36 37 38 PE SH 39 40 41 PE SH 51 52 53 54 55 PE
Connection point	



Projekt started on	27-05-2013	Möllers	REO-PACK	Terminal-connection diagram : ==CNV=F+10-X120	920.462.711	=
Rev. Date	25-06-2013		Kongsdal Havn 4			+
Print Date	29-08-2013		DK-9550 Mariager			ePLAN electric B Page no.
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00		J2000ISS & R2000	919

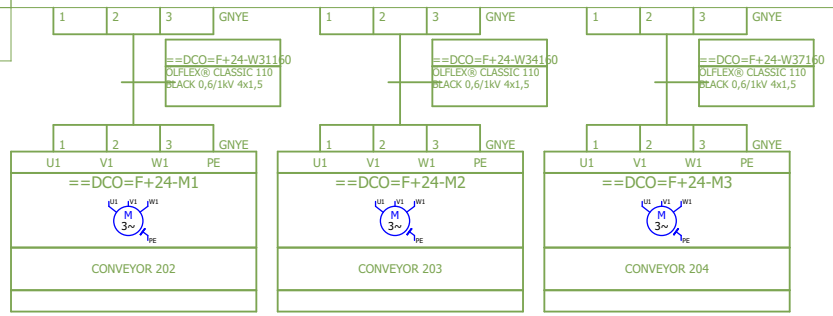
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Terminal-connection diagram

F11_003_REO
23-07-2013 scn

==CNV=F+10-X160Controlpanel

Jumpers	
Terminal	31 32 33 PE 34 35 36 PE 37 38 39 PE
Connection point	



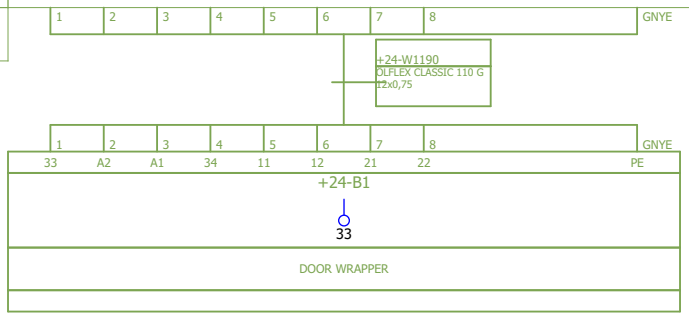
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Terminal-connection diagram

F11_003_REO
18-06-2013 SCN

==CNV=F+10-X190Controlpanel

Jumpers	- - - - - - - - - - -
Terminal	1 2 3 4 5 6 7 8 9 10 11 PE
Connection point	



Cable overview

REO01

Cable name	Source	Target			used	Cross-section	Length		Graphics -
Cable designations	from	to	Cable type	Cores	Cores	mm²	m	Remark	Page
==CNV=F+10-WPANEL	==CNV=F+10-A3	==CNV=F+10-P1	PROFIBUS	1x2	2	0,69	5		/1010
==CNV=F+24-W110	==CNV=F+10-X10	==CNV=F+24-X11	ÖLFLEX CLASSIC 110 G	25	25	0,75			/1011
==CNV=F+24-W111	==CNV=F+24-X11	==CNV=F+24-X12	ÖLFLEX CLASSIC 110 G	18	16	0,75			/1012
==CNV=F+24-W112	==CNV=F+24-X12	==CNV=F+24-X13	ÖLFLEX CLASSIC 110 G	18	16	0,75			/1013
==CNV=F+24-W113	==CNV=F+24-X13	==CNV=F+24-X14	ÖLFLEX CLASSIC 110 G	12	11	0,75			/1014
==CNV=F+24-W120	==CNV=F+10-X20;==CNV=F+24-X21	==CNV=F+24-X22	ÖLFLEX CLASSIC 110 G	25	27	0,75			/1015
==CNV=F+24-W121	==CNV=F+24-X21	==CNV=F+24-X22	ÖLFLEX FD CLASSIC 810 G	18	15	0,75			/1016
==CNV=F+24-W123	==CNV=F+24-X21	==CNV=F+24-X23	ÖLFLEX FD CLASSIC 810 G	7	7	0,75			/1017
==CNV=F+24-W1190	==CNV=F+10-X190	==CNV=F+24-B1	ÖLFLEX CLASSIC 110 G	12	9	0,75			/1018
==CNV=F+24-W3110	==CNV=F+10-X10	==CNV=F+24-X11	ÖLFLEX® FD 891 CY	4	4	2,5			/1019
==CNV=F+24-W3111	==CNV=F+24-X11	==CNV=F+24-X12	ÖLFLEX® FD 891 CY	4	4	2,5			/1020
==CNV=F+24-W3112	==CNV=F+24-X12	==CNV=F+24-X13	ÖLFLEX® FD 891 CY	4	4	2,5			/1021
==CNV=F+24-W3113	==CNV=F+24-X13	==CNV=F+24-X14	ÖLFLEX® FD 891 CY	4	4	2,5			/1022
==CNV=F+24-W4110	==CNV=F+10-X110	==CNV=F+24-X11	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	7	6	2,5			/1023
==CNV=F+24-W4111	==CNV=F+24-X11	==CNV=F+24-X12	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	7	6	2,5			/1024
==CNV=F+24-W4112	==CNV=F+24-X12	==CNV=F+24-X13	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	7	6	2,5			/1025
==CNV=F+24-W31120	==CNV=F+10-X120	==CNV=F+24-M2	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	7	6	2,5			/1026
==CNV=F+24-W39120	==CNV=F+10-X120	==CNV=F+24-M4	ÖLFLEX® FD 891 CY	4	4	2,5			/1027
==CNV=F+24-W46110	==CNV=F+10-X110	==CNV=F+24-M1	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	7	6	2,5			/1028
==CNV=F+24-W51120	==CNV=F+10-X120	==CNV=F+24-M6	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV	7	6	2,5			/1029
==CNV=F+24-WB5	==CNV=F+24-X13	==CNV=F+24-B5	M12-5M	4	3	0,34			/1030
==CNV=F+24-WB6	==CNV=F+24-X13	==CNV=F+24-B6	M12-10M	4	3	0,34			/1031
==CNV=F+24-WB7	==CNV=F+24-X13	==CNV=F+24-B7	M12-5M	4	3	0,34			/1032
==CNV=F+24-WB8	==CNV=F+24-X11	==CNV=F+24-B8	M12-5M	4	3	0,34			/1033
==CNV=F+24-WB9	==CNV=F+24-X11	==CNV=F+24-B9	M12-5M	4	3	0,34			/1034
==CNV=F+24-WB10	==CNV=F+24-X11	==CNV=F+24-B10	M12-5M	4	3	0,34			/1035
==CNV=F+24-WB11	==CNV=F+24-X11	==CNV=F+24-B11	ÖLFLEX CLASSIC 110	2	2	0,75			/1036
==CNV=F+24-WB12	==CNV=F+24-X22	==CNV=F+24-B12	M12-5M	4	3	0,34			/1037
==CNV=F+24-WB13	==CNV=F+24-X22	==CNV=F+24-B13	M12-5M	4	3	0,34			/1038
==CNV=F+24-WB14	==CNV=F+24-X22	==CNV=F+24-B14	ÖLFLEX CLASSIC 110	2	2	0,75			/1039
==CNV=F+24-WB15	==CNV=F+24-X22	==CNV=F+24-B15	ÖLFLEX CLASSIC 110	2	2	0,75			/1040
==CNV=F+24-WB16	==CNV=F+24-X22	==CNV=F+24-B16	M12-5M	4	3	0,34			/1041
==CNV=F+24-WB17	==CNV=F+24-X21	==CNV=F+24-B17	M12-5M	4	3	0,34			/1042
==CNV=F+24-WB18	==CNV=F+24-X23	==CNV=F+24-B18	M12-5M	4	3	0,34			/1043
==CNV=F+24-WB19	==CNV=F+24-X23	==CNV=F+24-B19	ÖLFLEX CLASSIC 110	2	2	0,75			/1044

Cable overview

REO01

Cable name	Source	Target			used	Cross-section	Length		Graphics -
Cable designations	from	to	Cable type	Cores	Cores	mm²	m	Remark	Page
==CNV=F+24-WB20	==CNV=F+24-X22	==CNV=F+24-B20	M12-5M	4	3	0,34			/1045
==CNV=F+24-WM1	==CNV=F+24-X11	==CNV=F+24-M1	ÖLFLEX CLASSIC 110	2	2	0,75			/1046
==CNV=F+24-WM2	==CNV=F+24-X21	==CNV=F+24-M2	ÖLFLEX CLASSIC 110	2	2	0,75			/1047
==CNV=F+24-WM3	==CNV=F+24-X22	==CNV=F+24-M3	ÖLFLEX CLASSIC 110	2	2	0,75			/1048
==CNV=F+24-WM4	==CNV=F+24-X22	==CNV=F+24-M4	ÖLFLEX CLASSIC 110	2	2	0,75			/1049
==CNV=F+24-WM5	==CNV=F+24-X13	==CNV=F+24-M5	ÖLFLEX CLASSIC 110	2	2	0,75			/1050
==CNV=F+24-WY5	==CNV=F+24-X14	==CNV=F+24-Y5	ÖLFLEX CLASSIC 110	2	2	0,75			/1051
==CNV=F+24-WY6	==CNV=F+24-X11	==CNV=F+24-Y6	ÖLFLEX CLASSIC 110	2	2	0,75			/1052
==DCO=F+24-W31160	==CNV=F+10-X160	==DCO=F+24-M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	4	4	1,5			/1054
==DCO=F+24-W34160	==CNV=F+10-X160	==DCO=F+24-M2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	4	4	1,5			/1055
==DCO=F+24-W37160	==CNV=F+10-X160	==DCO=F+24-M3	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	4	4	1,5			/1056
==DCO=F+24-WB5	==CNV=F+10-X60	==DCO=F+24-B5	M12-5M	4	3	0,34			/1057
==DCO=F+24-WB6	==CNV=F+10-X60	==DCO=F+24-B6	M12-5M	4	3	0,34			/1058
==DCO=F+24-WB7	==CNV=F+10-X60	==DCO=F+24-B7	M12-5M	4	3	0,34			/1059

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+10-WPANEL	Cable type	PROFIBUS				
Remark		No. of conductors	1x2	Cross-section	0,69	Cable length	5

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/20.1	-A3	A2	GN	-P1	A1	=+/20.7	
=+/20.1	-A3	B2	RD	-P1	B1	=+/20.7	
			SH				

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==CNV=F+10-WPANEL	J20.462.711	=	
Rev. Date	18-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 1010
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W110	Cable type	ÖLFLEX CLASSIC 110 G		
Remark		No. of conductors	25	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.1	+10-X10	1	1	-X11	1	=+/200.1	24 Vdc
=+/200.1	+10-X10	2	2	-X11	2	=+/200.1	0 Vdc
=+/200.1	+10-X10	3	3	-X11	3	=+/200.1	REEDCONTACT WELDINGUNIT DOWN
=+/200.2	+10-X10	4	4	-X11	4	=+/200.2	REEDCONTACT FILMRETAINER CLOSED
=+/200.3	+10-X10	5	5	-X11	5	=+/200.3	REEDCONTACT WELDINGPLATE DOWN
=+/80.1	+10-X10	6	6	-X11	6	=+/80.1	WELDINGPLATE CLOSE
=+/80.2	+10-X10	7	7	-X11	7	=+/80.2	WELDINGPLATE UP
=+/80.3	+10-X10	8	8	-X11	8	=+/80.3	WELDINGUNIT UP
=+/80.4	+10-X10	9	9	-X11	9	=+/80.4	FILMRETAINER OPEN
=+/134.3	+10-X10	10	10	-X11	10	=+/134.3	CONVEYOR ON WRAPPER
=+/80.6	+10-X10	11	11	-X11	11	=+/80.6	AIRBLOW
=+/200.4	+10-X10	12	12	-X11	12	=+/200.4	PHOTOCELL INLET FREE
=+/200.5	+10-X10	13	13	-X11	13	=+/200.5	PHOTOCELL PALLET IN POS.
=+/200.6	+10-X10	14	14	-X11	14	=+/200.6	PHOTOCELL OUTLET FREE
=+/134.3	+10-X10	15	15	-X11	15	=+/134.3	CONVEYOR ON WRAPPER
=+/200.8	+10-X10	16	16	-X11	16	=+/200.8	PROXIMITY TURNTABLE STOP
=+/201.1	+10-X10	17	17	-X11	17	=+/201.1	PROXIMITY TURNTABLE 0 GR.
=+/201.2	+10-X10	18	18	-X11	18	=+/201.2	PROXIMITY TURNTABLE IMPULS
=+/201.3	+10-X10	19	19	-X11	19	=+/201.3	FREE -x11:19
=+/201.4	+10-X10	20	20	-X11	20	=+/201.4	AIRPRESSURE CONTROL
=+/201.4	+10-X10	21	21	-X11	21	=+/201.4	=
=+/130.3	+10-X10	22	22	-X11	22	=+/130.3	TURNTABLE
=+/130.3	+10-X10	23	23	-X11	23	=+/130.3	=
=+/80.8	+10-X10	24	24	-X11	24	=+/80.8	MAINVALVE
=+/80.9	+10-X10	PE	GNYE	-X11	PE	=+/80.9	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W111	Cable type	ÖLFLEX CLASSIC 110 G		
Remark		No. of conductors	18	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.1	-X11	1	1	-X12	1	=+/200.1	24 Vdc
=+/200.1	-X11	2	2	-X12	2	=+/200.1	0 Vdc
=+/200.1	-X11	3	3	-X12	3	=+/200.1	REEDCONTACT WELDINGUNIT DOWN
=+/200.2	-X11	4	4	-X12	4	=+/200.2	REEDCONTACT FILMRETAINER CLOSED
=+/200.3	-X11	5	5	-X12	5	=+/200.3	REEDCONTACT WELDINGPLATE DOWN
=+/80.1	-X11	6	6	-X12	6	=+/80.1	WELDINGPLATE CLOSE
=+/80.2	-X11	7	7	-X12	7	=+/80.2	WELDINGPLATE UP
=+/80.3	-X11	8	8	-X12	8	=+/80.3	WELDINGUNIT UP
=+/80.4	-X11	9	9	-X12	9	=+/80.4	FILMRETAINER OPEN
=+/134.3	-X11	10	10	-X12	10	=+/134.3	CONVEYOR ON WRAPPER
=+/80.6	-X11	11	11	-X12	11	=+/80.6	AIRBLOW
=+/200.4	-X11	12	12	-X12	12	=+/200.4	PHOTOCELL INLET FREE
=+/200.5	-X11	13	13	-X12	13	=+/200.5	PHOTOCELL PALLET IN POS.
=+/200.6	-X11	14	14	-X12	14	=+/200.6	PHOTOCELL OUTLET FREE
=+/134.3	-X11	15	15	-X12	15	=+/134.3	CONVEYOR ON WRAPPER
			16				
			17				
=+/200.6	-X11	PE	GNYE	-X12	PE	=+/200.6	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W112	Cable type	ÖLFLEX CLASSIC 110 G		
Remark		No. of conductors	18	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.1	-X12	1	1	-X13	1	=+/200.1	24 Vdc
=+/200.1	-X12	2	2	-X13	2	=+/200.1	0 Vdc
=+/200.1	-X12	3	3	-X13	3	=+/200.1	REEDCONTACT WELDINGUNIT DOWN
=+/200.2	-X12	4	4	-X13	4	=+/200.2	REEDCONTACT FILMRETAINER CLOSED
=+/200.3	-X12	5	5	-X13	5	=+/200.3	REEDCONTACT WELDINGPLATE DOWN
=+/80.1	-X12	6	6	-X13	6	=+/80.1	WELDINGPLATE CLOSE
=+/80.2	-X12	7	7	-X13	7	=+/80.2	WELDINGPLATE UP
=+/80.3	-X12	8	8	-X13	8	=+/80.3	WELDINGUNIT UP
=+/80.4	-X12	9	9	-X13	9	=+/80.4	FILMRETAINER OPEN
=+/134.3	-X12	10	10	-X13	10	=+/134.3	CONVEYOR ON WRAPPER
=+/80.6	-X12	11	11	-X13	11	=+/80.6	AIRBLOW
=+/200.4	-X12	12	12	-X13	12	=+/200.4	PHOTOCELL INLET FREE
=+/200.5	-X12	13	13	-X13	13	=+/200.5	PHOTOCELL PALLET IN POS.
=+/200.6	-X12	14	14	-X13	14	=+/200.6	PHOTOCELL OUTLET FREE
=+/134.3	-X12	15	15	-X13	15	=+/134.3	CONVEYOR ON WRAPPER
			16				
			17				
=+/200.6	-X12	PE	GNYE	-X13	PE	=+/200.6	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W113	Cable type	ÖLFLEX CLASSIC 110 G		
Remark		No. of conductors	12	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.1	-X13	1	1	-X14	1	=+/200.1	24 Vdc
=+/200.1	-X13	2	2	-X14	2	=+/200.1	0 Vdc
=+/200.1	-X13	3	3	-X14	3	=+/200.1	REEDCONTACT WELDINGUNIT DOWN
=+/200.2	-X13	4	4	-X14	4	=+/200.2	REEDCONTACT FILMRETAINER CLOSED
=+/200.3	-X13	5	5	-X14	5	=+/200.3	REEDCONTACT WELDINGPLATE DOWN
=+/80.1	-X13	6	6	-X14	6	=+/80.1	WELDINGPLATE CLOSE
=+/80.2	-X13	7	7	-X14	7	=+/80.2	WELDINGPLATE UP
=+/80.3	-X13	8	8	-X14	8	=+/80.3	WELDINGUNIT UP
=+/80.4	-X13	9	9	-X14	9	=+/80.4	FILMRETAINER OPEN
			10				
=+/80.6	-X13	11	11	-X14	11	=+/80.6	AIRBLOW
=+/80.6	-X13	PE	GNYE	-X14	PE	=+/80.6	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W120	Cable type	ÖLFLEX CLASSIC 110 G		
Remark		No. of conductors	25	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.1	+10-X20	1	1	-X21	1	=+/202.1	24 Vdc
=+/202.1	+10-X20	2	2	-X21	2	=+/202.1	0 Vdc
=+/202.1	+10-X20	3	3	-X21	3	=+/202.1	PHOTOCELL PALLET HEIGHT
=+/202.2	+10-X20	4	4	-X21	4	=+/202.2	PROXIMITY FILMSUPERVISION
=+/202.3	+10-X20	5	5	-X21	5	=+/202.3	LIMITSWITCH FILMCARRAIGE TOP
=+/202.4	+10-X20	6	6	-X21	6	=+/202.4	LIMITSWITCH FILMCARRAIGE BOTTOM
=+/202.5	+10-X20	7	7	-X21	7	=+/202.5	PROXIMITY FILMUSAGE
=+/202.5	+10-X20	8	8	-X21	8	=+/202.5	=
=+/400.2	+10-X20	9	9	-X21	9	=+/400.2	ANALOG PROXIMITY FILMQUANTITY
=+/400.2	+10-X20	10	10	-X21	10	=+/400.2	=
=+/400.2	+10-X20	11	11	-X21	11	=+/400.2	=
=+/132.3	-X22	12	12	-X21	20	=+/132.3	FILMQUANTITY
=+/132.3	-X22	13	13	-X21	21	=+/132.3	=
=+/202.8	+10-X20	14	14	-X21	14	=+/202.8	LIMITSWITCH TOPPLATE TOP
=+/202.8	+10-X20	15	15	-X21	15	=+/202.8	SPARE
=+/202.9	+10-X20	16	16	-X21	16	=+/202.9	=
=+/202.9	+10-X20	17	17	-X21	17	=+/202.9	=
=+/131.3	+10-X20	18	18	-X21	18	=+/131.3	FILMCARRIAGE
=+/131.3	+10-X20	19	19	-X21	19	=+/131.3	=
=+/132.3	+10-X20	20	20	-X21	20	=+/132.3	FILMQUANTITY
=+/132.3	+10-X20	21	21	-X21	21	=+/132.3	=
=+/133.3	+10-X20	22	22	-X21	22	=+/133.3	PRESTRETCH
=+/133.3	+10-X20	23	23	-X21	23	=+/133.3	=
=+/133.3	+10-X20	24	24	-X21	24	=+/133.3	=
=+/133.3	+10-X20	PE	GNYE	-X21	PE	=+/133.3	PE
=+/202.6	+10-X20	12	12	-X21	12	=+/202.6	PROXIMITY FILMCARRAGE IMPULS
=+/202.7	+10-X20	13	13	-X21	13	=+/202.7	PROXIMITY TOPPLATE AGAINST PALLET

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W121	Cable type	ÖLFLEX FD CLASSIC 810 G		
Remark		No. of conductors	18	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.1	-X21	1	1	-X22	1	=+/202.1	24 Vdc
=+/202.1	-X21	2	2	-X22	2	=+/202.1	0 Vdc
=+/202.1	-X21	3	3	-X22	3	=+/202.1	PHOTOCELL PALLET HEIGHT
=+/202.2	-X21	4	4	-X22	4	=+/202.2	PROXIMITY FILMSUPERVISION
=+/202.3	-X21	5	5	-X22	5	=+/202.3	LIMITSWITCH FILMCARRAIGE TOP
=+/202.4	-X21	6	6	-X22	6	=+/202.4	LIMITSWITCH FILMCARRAIGE BOTTOM
=+/202.5	-X21	7	7	-X22	7	=+/202.5	PROXIMITY FILMUSAGE
=+/202.5	-X21	8	8	-X22	8	=+/202.5	=
=+/400.2	-X21	9	9	-X22	9	=+/400.2	ANALOG PROXIMITY FILMQUANTITY
=+/400.2	-X21	10	10	-X22	10	=+/400.2	=
=+/400.2	-X21	11	11	-X22	11	=+/400.2	=
			12				
			13				
=+/133.3	-X21	22	14	-X22	14	=+/133.3	PRESTRETCH
=+/133.3	-X21	23	15	-X22	15	=+/133.3	=
=+/133.3	-X21	24	16	-X22	16	=+/133.3	=
			17				
=+/133.3	-X21	PE	GNYE	-X22	PE	=+/133.3	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W123	Cable type	ÖLFLEX FD CLASSIC 810 G		
Remark		No. of conductors	7	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.7	-X21	1	1	-X23	1	=+/202.7	24 Vdc
=+/202.7	-X21	2	2	-X23	2	=+/202.7	0 Vdc
=+/202.7	-X21	13	3	-X23	3	=+/202.7	PROXIMITY TOPPLATE AGAINST PALLET
=+/202.8	-X21	14	4	-X23	4	=+/202.8	LIMITSWITCH TOPPLATE TOP
=+/202.8	-X21	15	5	-X23	5	=+/202.8	SPARE
=+/202.9	-X21	16	6	-X23	6	=+/202.9	=
=+/202.9	-X21	PE	GNYE	-X23	PE	=+/202.9	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W1190	Cable type	ÖLFLEX CLASSIC 110 G		
Remark		No. of conductors	12	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/40.1	+10-X190	1	1	-B1	33	=+/40.1	DOOR WRAPPER
=+/40.2	+10-X190	2	2	-B1	A2	=+/40.2	=
=+/40.3	+10-X190	3	3	-B1	A1	=+/40.3	=
=+/40.4	+10-X190	4	4	-B1	34	=+/40.4	=
=+/40.5	+10-X190	5	5	-B1	11	=+/40.5	=
=+/40.6	+10-X190	6	6	-B1	12	=+/40.6	=
=+/40.7	+10-X190	7	7	-B1	21	=+/40.7	=
=+/40.8	+10-X190	8	8	-B1	22	=+/40.8	=
			9				
			10				
			11				
=+/40.8	+10-X190	PE	GNYE	-B1	PE	=+/40.8	DOOR WRAPPER

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W3110	Cable type	ÖLFLEX® FD 891 CY		
Remark		No. of conductors	4	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/100.3	+10-X10	PE	GNYE	-X11	PE	=+/100.3	CUTTINGWIRE
=+/100.1	+10-X10	31	1	-X11	31	=+/100.1	WELDINGWIRE
=+/100.1	+10-X10	32	2	-X11	32	=+/100.1	=
=+/100.2	+10-X10	33	3	-X11	33	=+/100.2	CUTTINGWIRE
			SH				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W3111	Cable type	ÖLFLEX® FD 891 CY		
Remark		No. of conductors	4	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/100.3	-X11	PE	GNYE	-X12	PE	=+/100.3	CUTTINGWIRE
=+/100.1	-X11	31	1	-X12	16	=+/100.1	WELDINGWIRE
=+/100.1	-X11	32	2	-X12	17	=+/100.1	=
=+/100.2	-X11	33	3	-X12	18	=+/100.2	CUTTINGWIRE
			SH				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W3112	Cable type	ÖLFLEX® FD 891 CY		
Remark		No. of conductors	4	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/100.3	-X12	PE	GNYE	-X13	PE	=+/100.3	CUTTINGWIRE
=+/100.1	-X12	16	1	-X13	31	=+/100.1	WELDINGWIRE
=+/100.1	-X12	17	2	-X13	32	=+/100.1	=
=+/100.2	-X12	18	3	-X13	33	=+/100.2	CUTTINGWIRE
			SH				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W3113	Cable type	ÖLFLEX® FD 891 CY		
Remark		No. of conductors	4	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/100.3	-X13	PE	GNYE	-X14	PE	=+/100.3	CUTTINGWIRE
=+/100.1	-X13	31	1	-X14	31	=+/100.1	WELDINGWIRE
=+/100.1	-X13	32	2	-X14	32	=+/100.1	=
=+/100.2	-X13	33	3	-X14	33	=+/100.2	CUTTINGWIRE
			SH				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W4110	Cable type	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV		
Remark		No. of conductors	7	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/134.2	+10-X110	PE	GNYE	-X11	PE	=+/134.2	PE
=+/134.1	+10-X110	41	1	-X11	41	=+/134.1	CONVEYOR ON WRAPPER
=+/134.1	+10-X110	42	2	-X11	42	=+/134.1	=
=+/134.1	+10-X110	43	3	-X11	43	=+/134.1	=
=+/134.2	+10-X110	44	4	-X11	44	=+/134.2	=
=+/134.2	+10-X110	45	5	-X11	45	=+/134.2	=
			6				
=+/134.2	+10-X110	SH	SH	-X11	SH	=+/134.2	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W4111	Cable type	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV		
Remark		No. of conductors	7	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/134.2	-X11	PE	GNYE	-X12	PE	=+/134.2	PE
=+/134.1	-X11	41	1	-X12	19	=+/134.1	CONVEYOR ON WRAPPER
=+/134.1	-X11	42	2	-X12	20	=+/134.1	=
=+/134.1	-X11	43	3	-X12	21	=+/134.1	=
=+/134.2	-X11	44	4	-X12	22	=+/134.2	=
=+/134.2	-X11	45	5	-X12	23	=+/134.2	=
			6				
=+/134.2	-X11	SH	SH	-X12	PE	=+/134.2	PE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W4112	Cable type	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV		
Remark		No. of conductors	7	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/134.2	-X12	PE	GNYE	-X13	PE	=+/134.2	PE
=+/134.1	-X12	19	1	-X13	41	=+/134.1	CONVEYOR ON WRAPPER
=+/134.1	-X12	20	2	-X13	42	=+/134.1	=
=+/134.1	-X12	21	3	-X13	43	=+/134.1	=
=+/134.2	-X12	22	4	-X13	44	=+/134.2	=
=+/134.2	-X12	23	5	-X13	45	=+/134.2	=
			6				
=+/134.2	-X12	PE	SH	-X13	SH	=+/134.2	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W31120	Cable type	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV		
Remark		No. of conductors	7	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/131.2	+10-X120	PE	GNYE	-M2	PE	=+/131.1	FILMCARRIAGE
=+/131.1	+10-X120	31	1	-M2	U1	=+/131.1	=
=+/131.1	+10-X120	32	2	-M2	V1	=+/131.1	=
=+/131.1	+10-X120	33	3	-M2	W1	=+/131.1	=
=+/131.2	+10-X120	34	4	-M2	x1	=+/131.2	
=+/131.2	+10-X120	35	5	-M2	x2	=+/131.2	
			6				
=+/131.2	+10-X120	SH	SH	-M2	SH	=+/131.2	FILMCARRIAGE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W39120	Cable type	ÖLFLEX® FD 891 CY		
Remark		No. of conductors	4	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/133.1	+10-X120	PE	GNYE	-M4	PE	=+/133.1	PRESTRETCH
=+/133.1	+10-X120	39	1	-M4	U1	=+/133.1	=
=+/133.1	+10-X120	40	2	-M4	V1	=+/133.1	=
=+/133.1	+10-X120	41	3	-M4	W1	=+/133.1	=
=+/133.2	+10-X120	SH	SH	-M4	SH	=+/133.2	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W46110	Cable type	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV		
Remark		No. of conductors	7	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/130.2	+10-X110	PE	GNYE	-M1	PE	=+/130.1	TURNTABLE
=+/130.1	+10-X110	46	1	-M1	U1	=+/130.1	=
=+/130.1	+10-X110	47	2	-M1	V1	=+/130.1	=
=+/130.1	+10-X110	48	3	-M1	W1	=+/130.1	=
=+/130.2	+10-X110	49	4	-M1	x1	=+/130.2	
=+/130.2	+10-X110	50	5	-M1	x2	=+/130.2	
			6				
=+/130.2	+10-X110	SH	SH	-M1	SH	=+/130.2	TURNTABLE

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-W51120	Cable type	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV		
Remark		No. of conductors	7	Cross-section 2,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/101.2	+10-X120	PE	GNYE	-M6	PE	=+/101.1	TOPPLATE
=+/101.1	+10-X120	51	1	-M6	U1	=+/101.1	=
=+/101.1	+10-X120	52	2	-M6	V1	=+/101.1	=
=+/101.1	+10-X120	53	3	-M6	W1	=+/101.1	=
=+/101.2	+10-X120	54	4	-M6	x1	=+/101.2	
=+/101.2	+10-X120	55	5	-M6	x2	=+/101.2	
			6				
			SH				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB5	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.4	-X13	1	BR	-B5	1	=+/200.4	PHOTOCELL INLET FREE
=+/200.4	-X13	12	WH	-B5	4	=+/200.4	=
=+/200.4	-X13	2	BU	-B5	3	=+/200.4	=
			BL				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB6	Cable type	M12-10M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.5	-X13	1	BR	-B6	1	=+/200.5	PHOTOCELL PALLET IN POS.
			WH				
=+/200.5	-X13	2	BU	-B6	3	=+/200.5	PHOTOCELL PALLET IN POS.
=+/200.5	-X13	13	BL	-B6	4	=+/200.5	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB7	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.6	-X13	1	BR	-B7	1	=+/200.6	PHOTOCELL OUTLET FREE
=+/200.6	-X13	14	WH	-B7	4	=+/200.6	=
=+/200.6	-X13	2	BU	-B7	3	=+/200.6	=
			BL				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB8	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/200.8	-X11	1	BR	-B8	1	=+/200.8	PROXIMITY TURNTABLE STOP
			WH				
=+/200.8	-X11	2	BU	-B8	3	=+/200.8	PROXIMITY TURNTABLE STOP
=+/200.8	-X11	16	BL	-B8	4	=+/200.8	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB9	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/201.1	-X11	1	BR	-B9	1	=+/201.1	PROXIMITY TURNTABLE 0 GR.
			WH				
=+/201.1	-X11	2	BU	-B9	3	=+/201.1	PROXIMITY TURNTABLE 0 GR.
=+/201.1	-X11	17	BL	-B9	4	=+/201.1	=

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==CNV=F+24-WB9	J20.462.711	=	
Rev. Date	18-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no.
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Interconnect diagram

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Cable name	==CNV=F+24-WB10	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/201.2	-X11	1	BR	-B10	1	=+/201.2	PROXIMITY TURNTABLE IMPULS
			WH				
=+/201.2	-X11	2	BU	-B10	3	=+/201.2	PROXIMITY TURNTABLE IMPULS
=+/201.2	-X11	18	BL	-B10	4	=+/201.2	=

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB11	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/201.4	-X11	1	1	-B11		=+/201.4	AIRPRESSURE CONTROL
=+/201.4	-X11	20	2	-B11		=+/201.4	=

Projekt started on	27-05-2013
Rev. Date	18-06-2013
Print Date	29-08-2013
Init.	SCN

Möllers

Technicas reunidas

REO-PACK
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Cable diagram : ==CNV=F+24-WB11

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB12	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.1	-X22	1	BR	-B12	1	=+/202.1	PHOTOCELL PALLET HEIGHT
			WH				
=+/202.1	-X22	2	BU	-B12	2	=+/202.1	PHOTOCELL PALLET HEIGHT
=+/202.1	-X22	3	BL	-B12	4	=+/202.1	=

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB13	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.2	-X22	1	BR	-B13	1	=+/202.2	PROXIMITY FILMSUPERVISION
=+/202.2	-X22	4	WH	-B13	2	=+/202.2	=
=+/202.2	-X22	2	BU	-B13	3	=+/202.2	=
			BL				

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB14	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.3	-X22	1	1	-B14	11	=+/202.3	LIMITSWITCH FILMCARRAIGE TOP
=+/202.3	-X22	5	2	-B14	12	=+/202.3	=

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==CNV=F+24-WB14	J20.462.711	=
Rev. Date	18-06-2013		Kongsdal Havn 4			+
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B — Page no. 1039
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00			

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB15	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.4	-X22	1	1	-B15	11	=+/202.4	LIMITSWITCH FILMCARRAIGE BOTTOM
=+/202.4	-X22	6	2	-B15	12	=+/202.4	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB16	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.5	-X22	1	BR	-B16	1	=+/202.5	PROXIMITY FILMUSAGE
			WH				
=+/202.5	-X22	2	BU	-B16	2	=+/202.5	PROXIMITY FILMUSAGE
=+/202.5	-X22	7	BL	-B16	4	=+/202.5	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB17	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.6	-X21	1	BR	-B17	1	=+/202.6	PROXIMITY FILMCARRAGE IMPULS
=+/202.6	-X21	12	WH	-B17	2	=+/202.6	=
=+/202.6	-X21	2	BU	-B17	3	=+/202.6	=
			BL				

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==CNV=F+24-WB17	J20.462.711	=	
Rev. Date	18-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 1042
Init.	SCN	Technicas reunidas	Tlf: +45 98 58 41 00				

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB18	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.7	-X23	1	BR	-B18	1	=+/202.7	PROXIMITY TOPPLATE AGAINST PALLET
			WH				
=+/202.7	-X23	2	BU	-B18	3	=+/202.7	PROXIMITY TOPPLATE AGAINST PALLET
=+/202.7	-X23	3	BL	-B18	4	=+/202.7	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB19	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/202.8	-X23	1	1	-B19	11	=+/202.8	LIMITSWITCH TOPPLATE TOP
=+/202.8	-X23	4	2	-B19	12	=+/202.8	=

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==CNV=F+24-WB19	J20.462.711	=	
Rev. Date	18-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no.
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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WB20	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/400.2	-X22	1	BR	-B20	1	=+/400.2	ANALOG PROXIMITY FILMQUANTITY
			WH				
=+/400.2	-X22	9	BU	-B20	3	=+/400.2	ANALOG PROXIMITY FILMQUANTITY
=+/400.2	-X22	9	BL	-B20	4	=+/400.2	=

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WM1	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/130.3	-X11	22	1	-M1		=+/130.3	
=+/130.3	-X11	23	2	-M1		=+/130.3	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WM2	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/131.3	-X21	18	1	-M2		=+/131.3	
=+/131.3	-X21	19	2	-M2		=+/131.3	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WM3	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/132.3	-X22	12	1	-M3		=+/132.3	
=+/132.3	-X22	13	2	-M3		=+/132.3	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WM4	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/133.3	-X22	14	1	-M4		=+/133.3	
=+/133.3	-X22	15	2	-M4		=+/133.3	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WM5	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/134.3	-X13	10	1	-M5		=+/134.3	
=+/134.3	-X13	15	2	-M5		=+/134.3	

Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WY5	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/80.6	-X14	11	1	-Y5	X1	=+/80.6	
=+/80.7	-X14	2	2	-Y5	X2	=+/80.6	

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Interconnect diagram

REO01 11.11.05

Cable name	==CNV=F+24-WY6	Cable type	ÖLFLEX CLASSIC 110		
Remark		No. of conductors	2	Cross-section 0,75	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/80.8	-X11	24	1	-Y6	X1	=+/80.8	
=+/80.9	-X11	2	2	-Y6	X2	=+/80.8	

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==CNV=F+24-WY6	J20.462.711	=	
Rev. Date	18-06-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric B	Page no. 1052
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1051 Previus Page

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Numb of Pages 134

Next Page 1054

Interconnect diagram

REO01 11.11.05

Cable name	==DCO=F+24-W31160	Cable type	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV		
Remark		No. of conductors	4	Cross-section 1,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/110.1	==CNV=F+10-X160	31	1	-M1	U1	=+/110.1	CONVEYOR 202
=+/110.1	==CNV=F+10-X160	32	2	-M1	V1	=+/110.1	=
=+/110.1	==CNV=F+10-X160	33	3	-M1	W1	=+/110.1	=
=+/110.1	==CNV=F+10-X160	PE	GNYE	-M1	PE	=+/110.1	=

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Interconnect diagram

REO01 11.11.05

Cable name	==DCO=F+24-W34160	Cable type	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV		
Remark		No. of conductors	4	Cross-section 1,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/110.3	==CNV=F+10-X160	34	1	-M2	U1	=+/110.3	CONVEYOR 203
=+/110.3	==CNV=F+10-X160	35	2	-M2	V1	=+/110.3	=
=+/110.3	==CNV=F+10-X160	36	3	-M2	W1	=+/110.3	=
=+/110.3	==CNV=F+10-X160	PE	GNYE	-M2	PE	=+/110.3	=

Projekt started on	27-05-2013	Möllers	REO-PACK	Cable diagram : ==DCO=F+24-W34160	J20.462.711	=	
Rev. Date	23-07-2013		Kongsdal Havn 4			+	
Print Date	29-08-2013		DK-9550 Mariager		J2000ISS & R2000	ePLAN electric P8	Page no. 1055
Init.	scn	Technicas reunidas	Tlf: +45 98 58 41 00				

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Interconnect diagram

REO01 11.11.05

Cable name	==DCO=F+24-W37160	Cable type	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV		
Remark		No. of conductors	4	Cross-section 1,5	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/110.5	==CNV=F+10-X160	37	1	-M3	U1	=+/110.5	CONVEYOR 204
=+/110.5	==CNV=F+10-X160	38	2	-M3	V1	=+/110.5	=
=+/110.5	==CNV=F+10-X160	39	3	-M3	W1	=+/110.5	=
=+/110.5	==CNV=F+10-X160	PE	GNYE	-M3	PE	=+/110.5	=

Interconnect diagram

REO01 11.11.05

Cable name	==DCO=F+24-WB5	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/208.1	==CNV=F+10-X60	1	BR	-B5	1	=+/208.1	SENSOR CONVEYOR 202
			WH				
=+/208.1	==CNV=F+10-X60	2	BU	-B5	4	=+/208.1	SENSOR CONVEYOR 202
=+/208.1	==CNV=F+10-X60	3	BL	-B5	3	=+/208.1	=

Interconnect diagram

REO01 11.11.05

Cable name	==DCO=F+24-WB6	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/208.2	==CNV=F+10-X60	1	BR	-B6	1	=+/208.2	SENSOR CONVEYOR 203
			WH				
=+/208.2	==CNV=F+10-X60	2	BU	-B6	4	=+/208.2	SENSOR CONVEYOR 203
=+/208.2	==CNV=F+10-X60	4	BL	-B6	3	=+/208.2	=

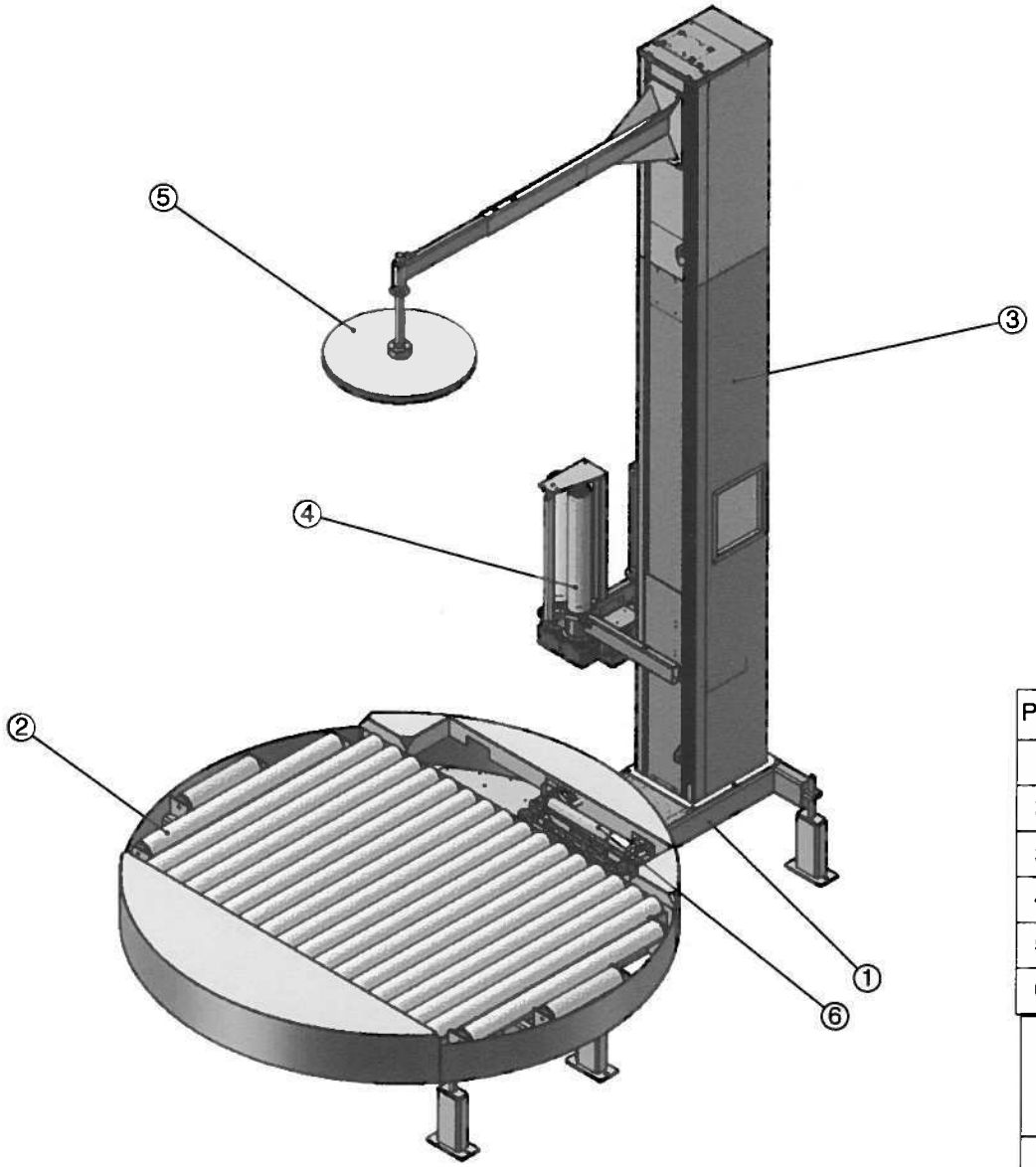
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Interconnect diagram

REO01 11.11.05

Cable name	==DCO=F+24-WB7	Cable type	M12-5M		
Remark		No. of conductors	4	Cross-section 0,34	Cable length

Page/path	Target design. from	Connec-tion	Conduc-tor	Target design. to	Connec-tion	Page/path	Function text
=+/208.3	==CNV=F+10-X60	1	BR	-B7	1	=+/208.3	SENSOR CONVEYOR 204
			WH				
=+/208.3	==CNV=F+10-X60	2	BU	-B7	3	=+/208.3	SENSOR CONVEYOR 204
=+/208.3	==CNV=F+10-X60	5	BL	-B7	4	=+/208.3	=



Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	070-02-0125		Bottomframe L-R		1	0
2	070-02-0058		Turntable (SEW) ø2200	NB1300 d103,2 15,6 rpm	1	0
3	070-02-0126		Tower L-R	H=2800	1	132.655
4	070-02-0059	A	Filmcarriage L-R		1	49.09
5	070-02-0127	A	Top clamp L-R	Ø450	1	47.069
6	060-01-0041		Filmretainer ISS J2000	L-R Longitudinal threads	1	60.347

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mail@reo-pack.com - www.reo-pack.com

Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

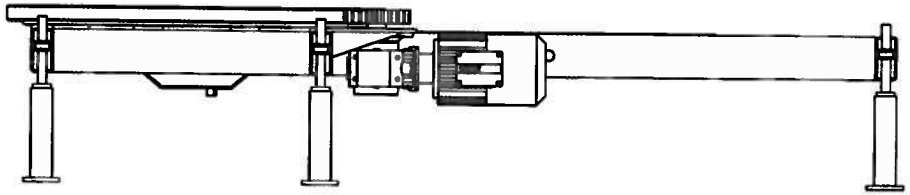
J2000 ISS (SEW)
Ø2200 NB1300 H700
d103,2 15,6rpm.

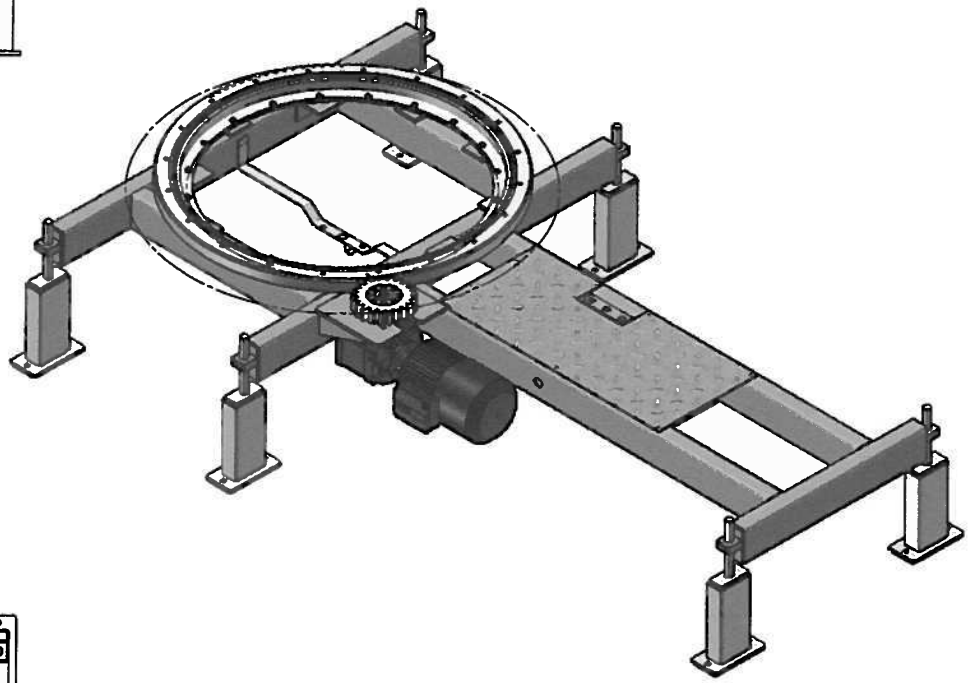
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	Repl.		

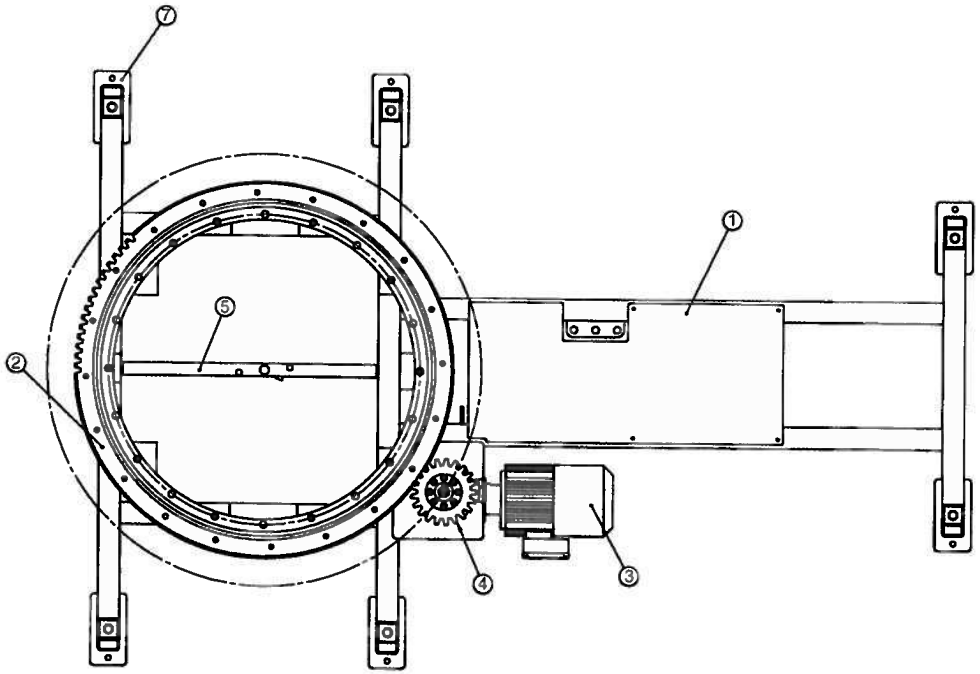
Hgr.	Sgr.	Serial No:	rev.
070	01	0052E	

S:\070-J2000 Jet\01-Samlinger komplet\070-01-0052 J2000 V-H Ø2200 NB1300 H700 Dobb. motor

A3







Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	070-03-0013	A	Bottomframe L-R		1	0
2	3600-18-0001		Gearwheel ø1050	Module 8. Z=129	1	71.5
3	65.18769305 03.0001.13--		SEW SF57DRE90L4BE2/TF/DH	1.5KW-60Hz.-i=24,77-70 rpm-M6B-KK270-OS1	1	0
4	*210-02-0003		Gearwheel M8-Z21 PA6	Module 8 with hub,	1	1.916
5	070-03-0007		Fitting for collector		1	1.233
6	070-04-0058	A	Covering	4mm 390x870	1	10.053
7	070-03-0135		Support	L=440	6	14.562

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1:10

Surf

Sign.

12-12-08 hjn

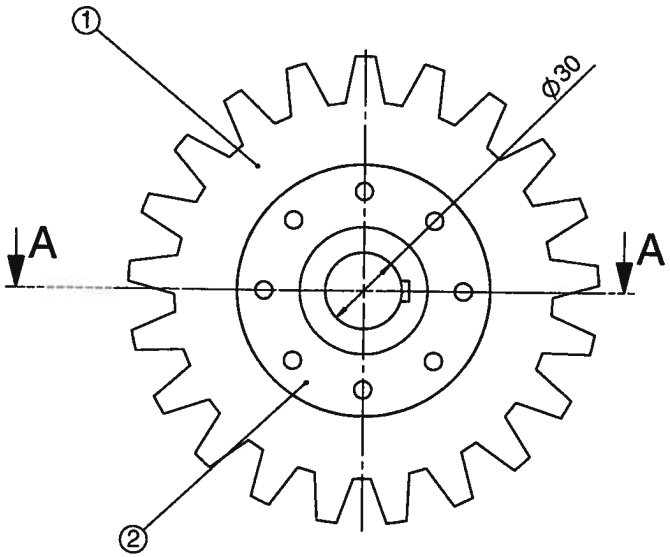
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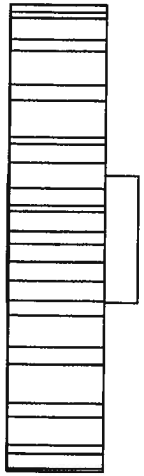
mm	Fine	Medium	Coarse
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

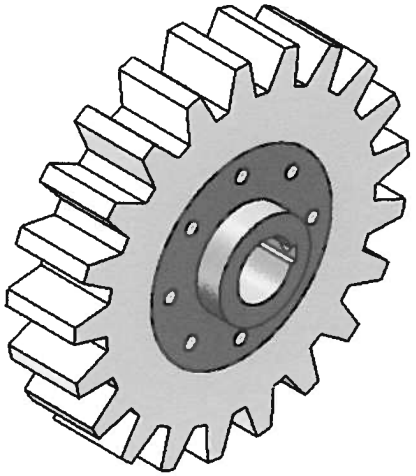
Bottomframe L-R
SEW
J2000

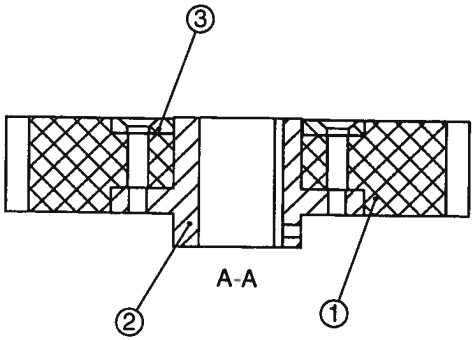
070	02	0125E

A2









Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*210-05-0007		Gearwheel	Modul 8-Z21 , PA6	1	0.762
2	*210-06-0004		Hub for gearwheel M8	Ø100	1	0.92
3	*210-06-0005		Disc		1	0.235

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

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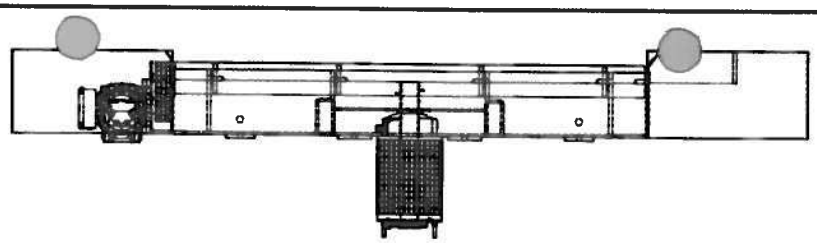
Gearwheel M8-Z21 PA6

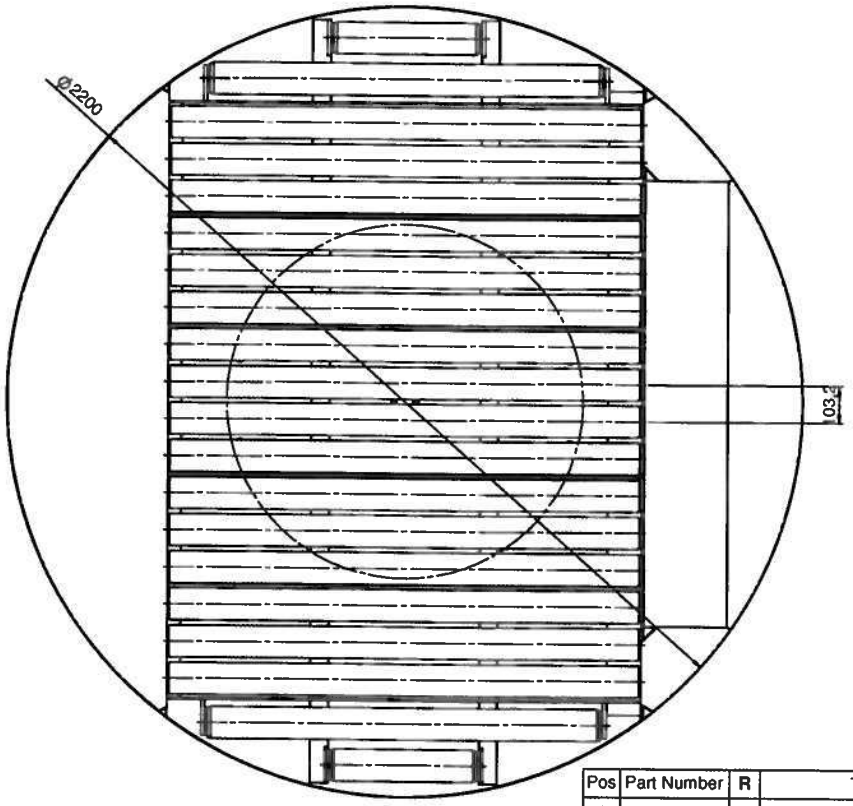
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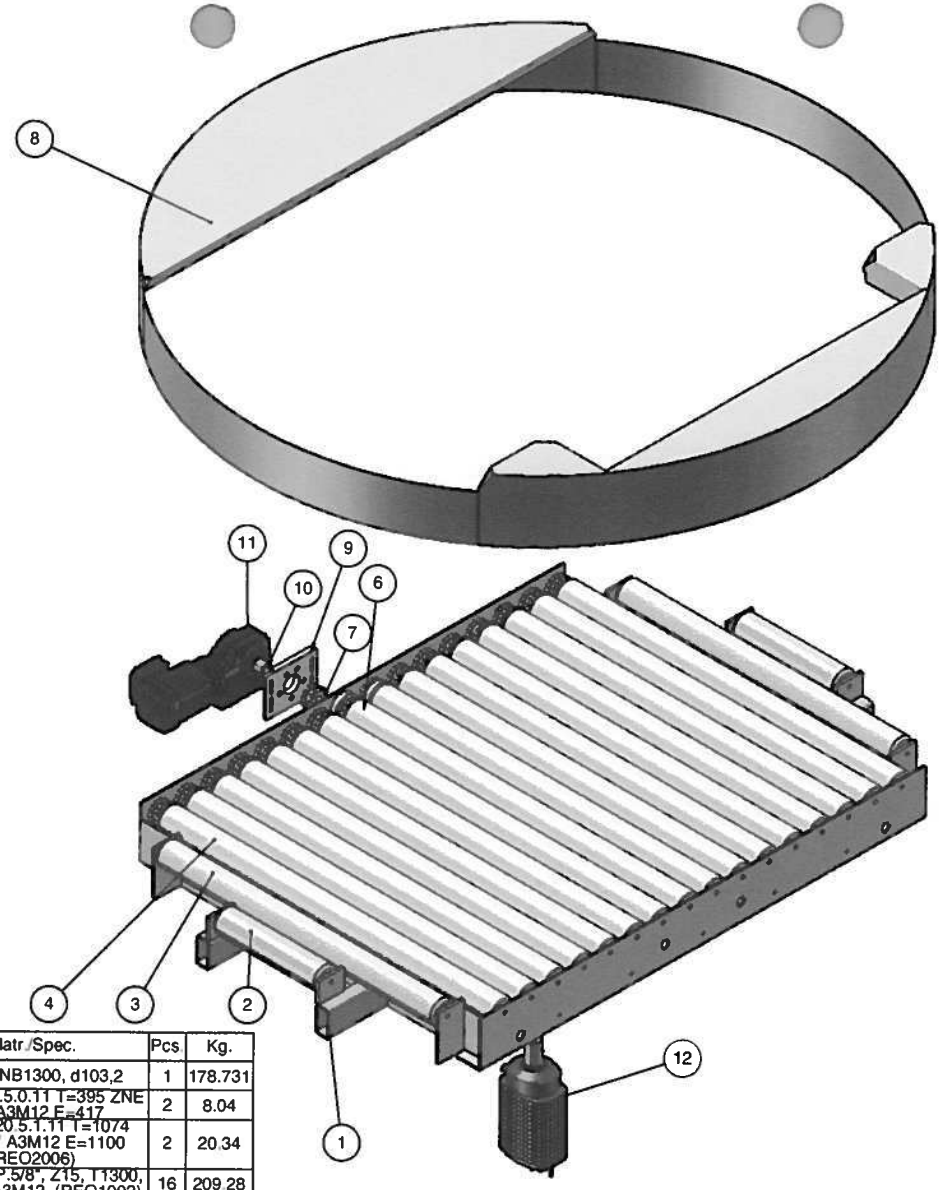
Hgr.	Sgr.	Serial No:	rev.
*210	02	0003E	

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A3







Pos	Part Number	R	Title	Matr./Spec.	Pcs	Kg.
1	070-03-0134		Turntable welded	ø2200, NB1300, d103,2	1	178.731
2	4201-12-0015		Roll ø89/20	D89/20 20.5.0.11 T=395 ZNE "E" A3M12 E=417	2	8.04
3	4201-12-0019		Roll undriving	D89/20 20.5.1.11 T=1074 ZNE "E" A3M12 E=1100 (REO2006)	2	20.34
4	4202-34-0012		Roll with galv.tube	D89/20, 2P.5/8", Z15, T1300, E=1367, A3M12, (REO1002)	16	209.28
5	3550-01-0004		Chain simplex	5/8"-28 link-d 103.2	14	0
6	4220-02-0074		Chain 5/8" Simplex	26 link	2	0.236
7	3202-04-0002		Hub chain wheel	5/8" Z=13 udb. ø25 N+P	1	0.07
8	070-02-0024		Cover		1	38.842
9	070-04-0056	C	Motorplate	SEW	1	3.505
10	070-06-0021	A	Shaft SEW Ø30/Ø25	KA37DRS71M4	1	1.104
11	65.18769305 01.0001.13--		SEW KA37/T DRS71M4BE1/TF/DH	0.55kW 60Hz.i=29,96 n2=56 M1A KK0 OS1 Hulaksel ø30 T-Torque arm	1	0
12	980-02-0003		Collector 24 ring	TER 10/30A no.PF2324-K002	1	1.107

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Tolerances: DS/ISO 2768

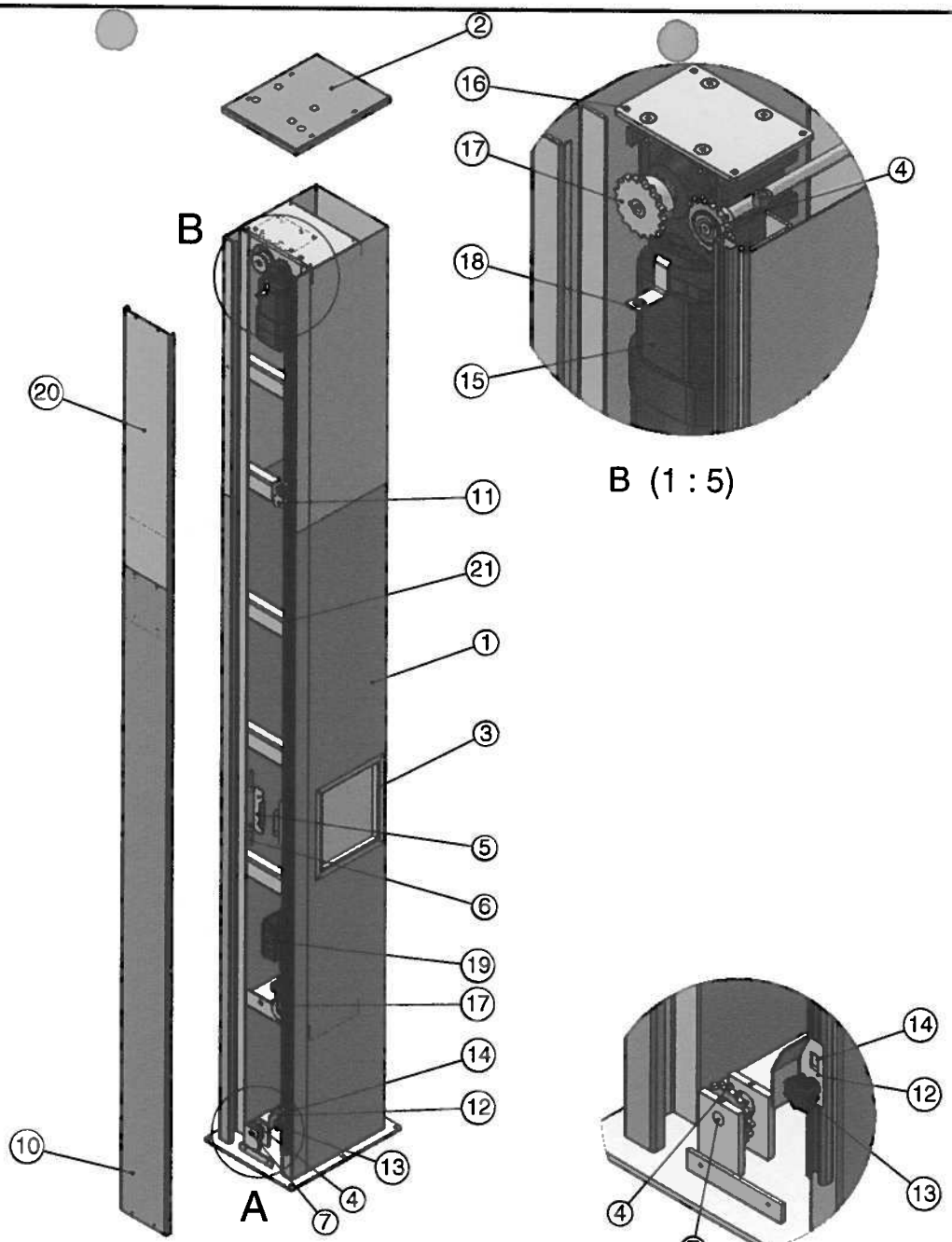
mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

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Turntable (SEW) ø2200
NB1300 d103,2 15,6 rpm
J2000 ISS

Sheet scale		Surf.	
1:10		Date:	Sign.
	Date:	13-08-08	jap
	Konstr.		
Hgr.	Sgr.	Serial No:	rev.
070	02	0058E	

A2



B (1 : 5)

A (1 : 5)

Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	070-03-0136		Tower L-R	H=2800	1	90.825
2	070-04-0022	A	Top for tower	L-R	1	1.931
3	070-03-0006		Frame for tower		1	0.845
4	3309-01-0001		Wheel INA	1/2" Z=16 KSR 15.BO.08.10.16.08	2	0.056
5	*070-03-0017		Tightening for chain		2	0.638
6	*030-06-0001		Tension spindle	M10	4	0.18
7	--		Shaft for wheel	Ø15x55	1	0.076
8	3350-02-0004		Chain Simplex	1/2" L=5000	1	0
9	3350-02-0004		Chain Simplex	1/2" L=6000	1	0
10	070-03-0010		Cover for tower	H=2500	1	14.043
11	070-04-0033		Bracket for limit switch		1	0.093
12	070-04-0033		Bracket for limit switch - mirrored		1	0.012
13	4801-01-0003		Star handle	GN6336.4-SK-40-M8-16	2	0.04
14	*070-05-0011		Threaded bar	8mm, 20x40	2	0.096
15	65.18769305 02.0001.13		SEW S37 DRS71S4BE05/TF/DH	0,37kW 60Hz. i=80,96 N2=21 M2B KK90X ø20x40 OS1	1	6.318
16	070-03-0064		Motorplate SEW S37		2	1.994
17	3201-04-0004		Chainwheel Simplex	1/2" Z=17 ø20 N+P	2	0.956
18	*900-10-0008	A	Fitting for proximity switch		2	0.088
19	65.18769305 06.0001.13		SEW S37 DRS71S4BE05/TF/DH	0,37kW 60Hz. i=37,66 N2=45 M2B KK90X ø20x40 OS1	1	6.318
20	070-03-0096		Frontplate	H=992	1	7.731
21	--		C-profile 28x15x8x2	L=3400	1	0.414

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

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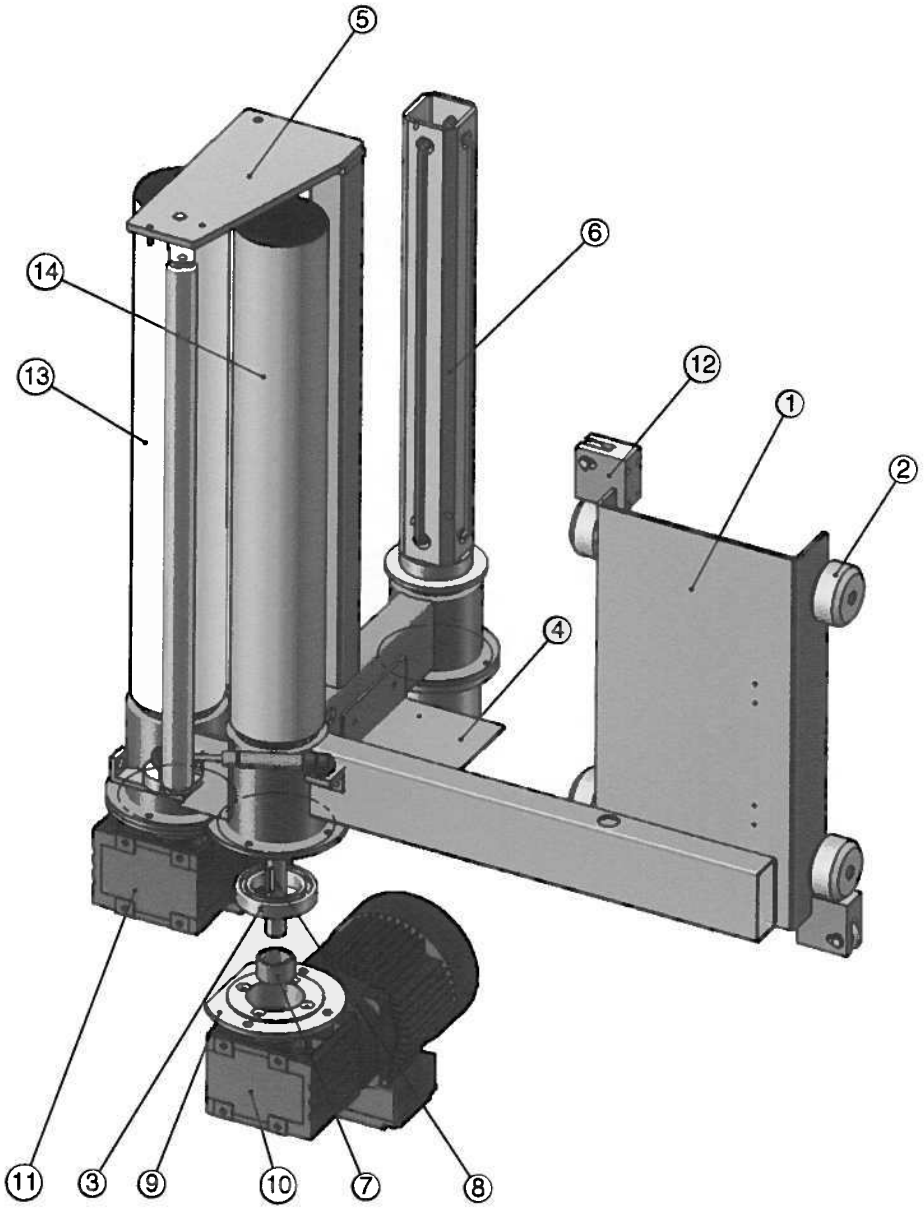
Tower L-R
H=3500
J2000

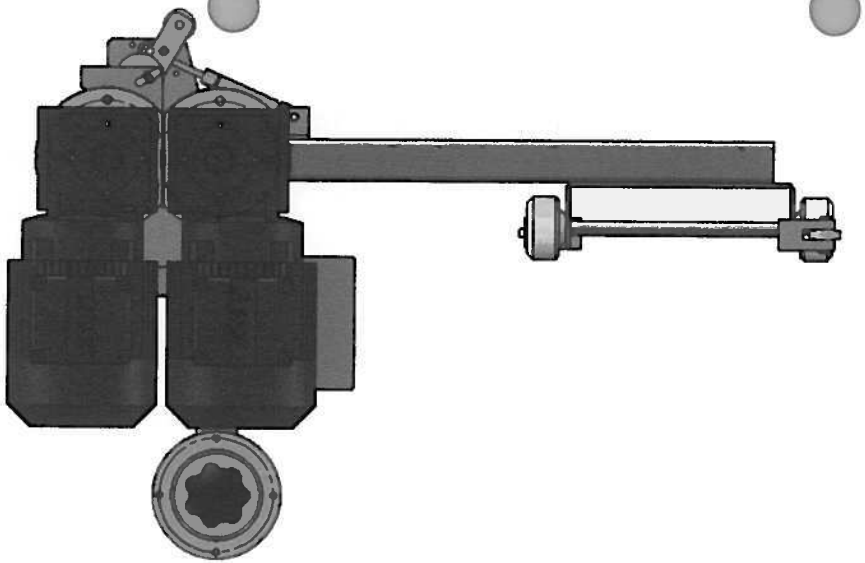
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Hgr.	Sgr.	Serial No:	rev.
070	02	0126E	

S:\070-J2000 Jet\02-Montage undersamlinger\ 070-02-0126 Tårn Holdeplade (SEW) V-H H=3500

A3





Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	070-03-0011		Filmcarriage L-R welded		1	20.836
2	*090-05-0012	A	Wheel fiber	Ø62.9, L=38	4	0.428
3	3600-15-0007		Bearing	6010-2RS	4	1.04
4	900-10-0043		Bracket for junction box		1	0.487
5	070-02-0009	A	Arr. Tension roll		1	2.869
6	070-02-0010	A	Film mandrel		1	8.225
7	3600-24-0001		Free-wheel bearing	HF3020B INA	2	0.018
8	070-06-0038	A	Shaft for motor SEW		2	1.06
9	070-06-0037		Flange for motor SEW		2	2.01
10	65.18769305 09.0001.13--		SEW WA20 DRS71S4/TF/DH	0,37kW 60Hz. i=10,25 n2=166 M2B KK0° OS1	1	0
11	65.18769305 08.0001.13--		SEW WA20 DRS71S4/TF/DH	0,37kW 60Hz. i=10,25 n2=166 M2A KK180° OS1	1	0
12	*070-02-0011		Guide for filmcarriage		2	0.464
13	070-02-0012		Prestretch roller white		1	5.826
14	070-02-0013		Prestretch roller beige		1	5.826

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	±0.05	±0.1	±0.2
>6-30	±0.1	±0.2	±0.5
>30-120	±0.15	±0.3	±0.8
>120-400	±0.2	±0.5	±1.2
>400-1000	±0.3	±0.8	±2.0

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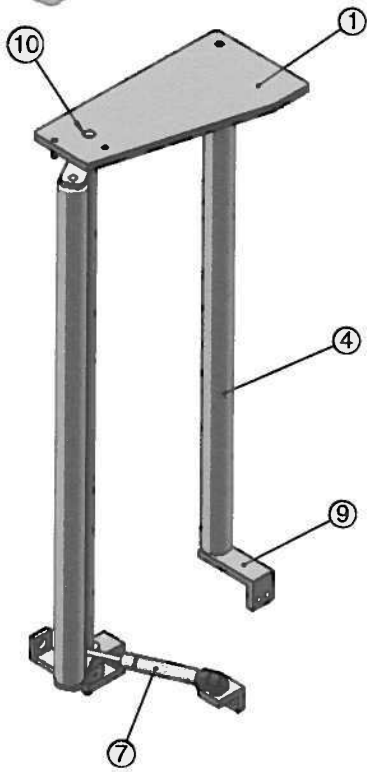
Filmcarriage L-R
Double motorized
J2000

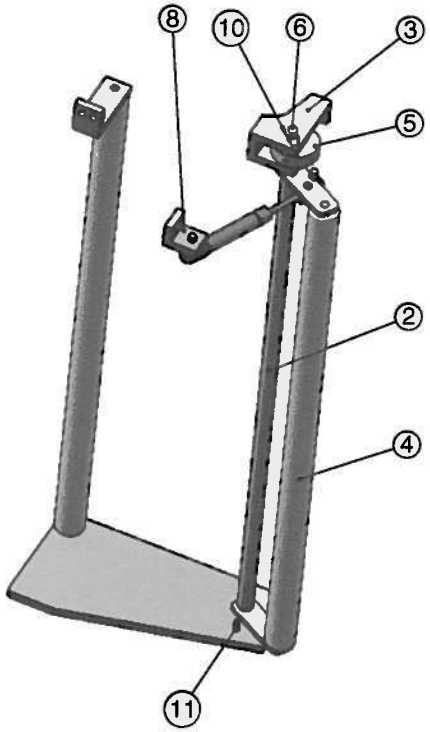
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Hgr.	Sgr.	Serial No:	rev.
070	02	0059E	A

S:\070-J2000 Jet\02-Montage undersamlinger\070-02-0059 Folieskade V-H SEW

A3





Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*070-04-0028		Bracket for tension roll		1	0.586
2	*070-03-0016		Mounting for tension roll		1	1.012
3	*070-06-0015	A	Bracket for proximity switch		1	0.096
4	4201-08-0002		Roller ø30x1,5	STI FA8 AL=622	2	0.844
5	*070-06-0016		Eccentrically disc	ø47x15	1	0.192
6	070-05-0027		Pawl for film monitoring	8x7, L=28	1	0.011
7	5600-01-0001		Gas compression spring 044846DI	ø6/ø15 SL=40 50N	1	0.029
8	*070-05-0009		Angle mounting	27x35x8-28	1	0.03
9	*070-05-0010		Angle mounting for roll		1	0.059
10	3600-19-0006		Slide bearing Glasier	Ø10/Ø12x8 SBT	3	0
11	--		Spring pin ISO 13337	ø5 L=20	2	0.002

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coars
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

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Arr. Tension roll

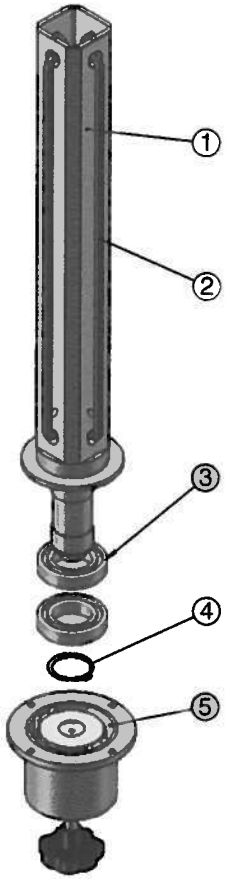
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Sheet scale:		Surf:	
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	Date:	13-01-09	hn
	Repl.		

Hgr.	Sgr.	Serial No:	rev.
070	02	0009E	A

S:\070-J2000 Jet\02-Montage undersamlinger\070-02-0009 Tendervalse arrangement Spejlvendt

A3



Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*070-03-0012		Film mandrel		1	5.725
2	070-05-0008		Rubber cord		1	0.1
3	3600-15-0008		Bearing	6008-2RS (Ø68-Ø40,B=15)	2	0.058
4	4803-01-0008		Retaining ring	ø40 DIN 471	1	0.006
5	*070-02-0029	A	Arr. friction brake		1	2.014

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Sheet scale: 1:5

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Tolerances: DS/ISO 2768

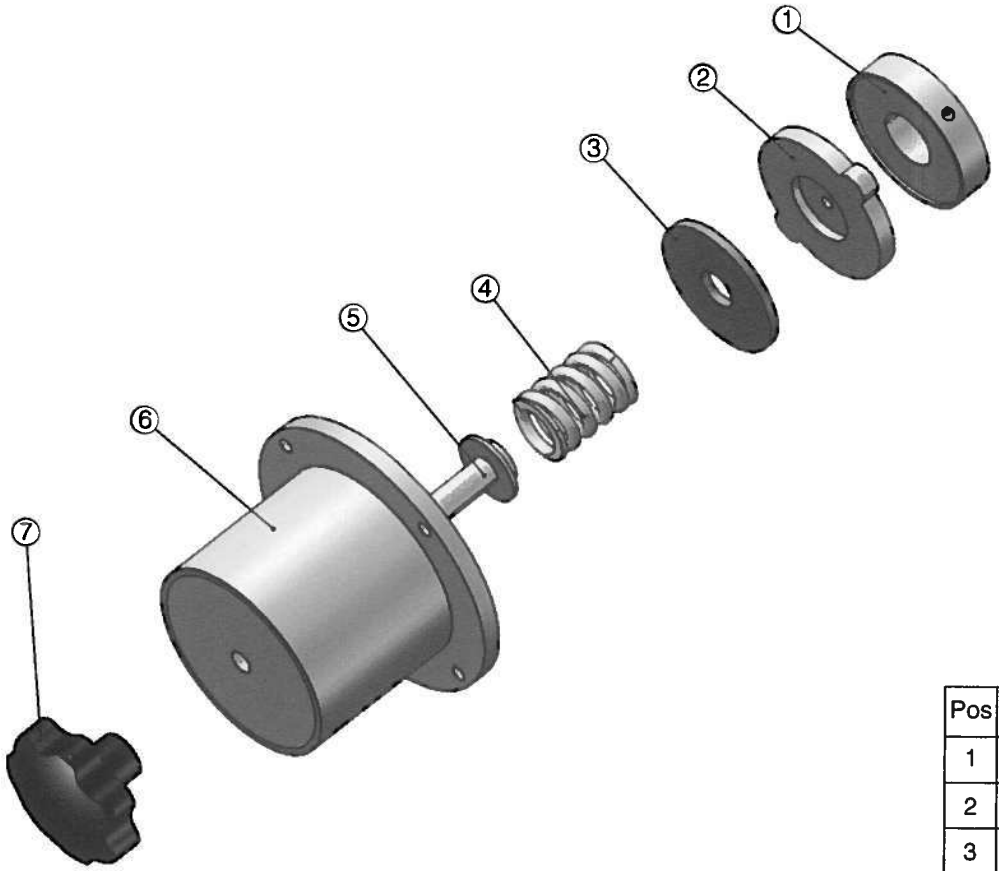
mm	Fine	Medium	Coarse
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

Film mandrel
Filmcarriage
J2000

Hgr.	Sgr.	Serial No:	rev.
070	02	0010E	A

S:\070-J2000 Jet\02-Montage undersamlinger\070-02-0010 Folledorn

A3





Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*070-06-0012		Friction plate	ø64x14	1	0.265
2	*070-06-0010		Guide	Pl 8mm 81x67	1	0.207
3	*070-05-0007	A	Brake disc	ø60x5	1	0.082
4	4806-01-0004		Spring Sodemann	13780 - d=5 Lo=41 id=20	1	0
5	*070-06-0011		Adjusting bolt for handle	ø30x67	1	0.075
6	070-03-0075	A	House welded		1	1.329
7	4801-01-0002		Star handle	Ø63-M12 (20531474)	1	0.048

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

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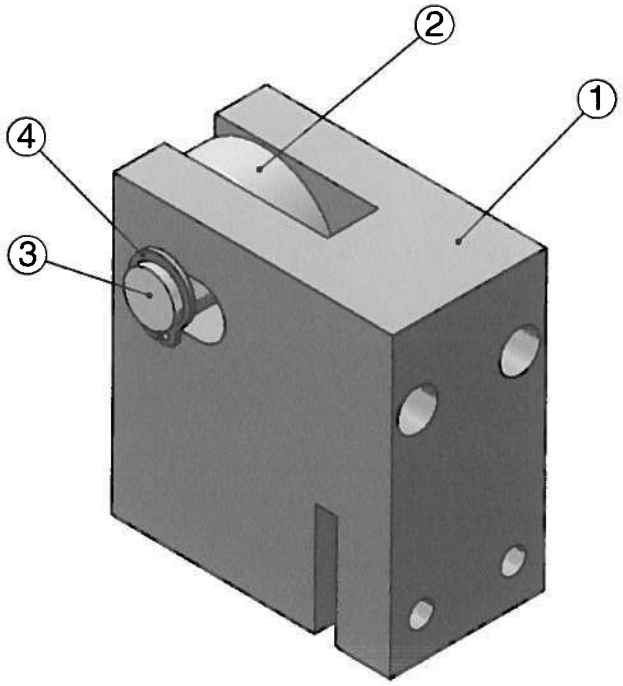
Arr. Friction brake Filmcarriage

Sheet scale:		Surf:	
		Date:	Sign.
1:2	Date:	13-01-09	hn
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Hgr.	Sgr.	Serial No:	rev.
*070	02	0029E	A

S:\070-J2000 Jet\02-Montage undersamlinger\070-02-0029 Arr.friktionsbremse

A3



Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*070-06-0013		Guide bar	60x60x30	1	0.204
2	3600-15-0009		Bearing	6200	1	0
3	*070-06-0014		Shaft	ø10x36	1	0.022
4	4803-01-0007		Retaining ring	DIN 471 Ø10	2	0

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Tolerances: DS/ISO 2768

mm	Fin	Middel	Grov
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

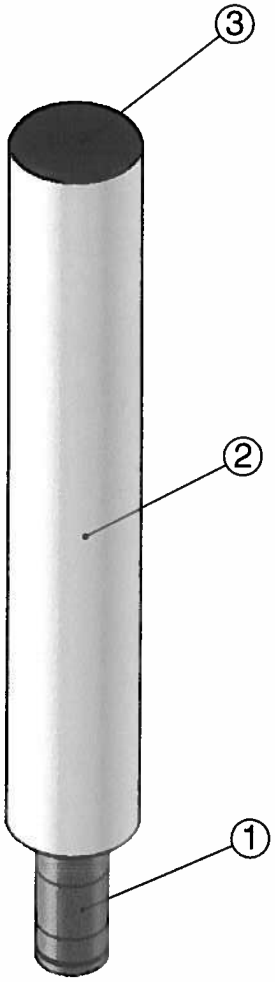
Guide for filmcarriage

J2000

Sheet scale:		Surf:	
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	Date:	25-04-08	mr
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Hgr.	Sgr.	Serial No:	rev.
*070	02	0011E	

S:\070-J2000 Jet\02-Montage undersamlinger\070-02-0011 Styr for folieslæde — A4



Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*070-03-0015		Prestretch roller		1	5.446
2	070-05-0005		Coating white	Walztex NP-50 White	1	0.326
3	4802-01-0002		Plastic plug	Ø90, L=25	1	0.054

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Tolerances: DS/ISO 2768

mm	Fin	Middel	Grov
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

Prestretch roller white

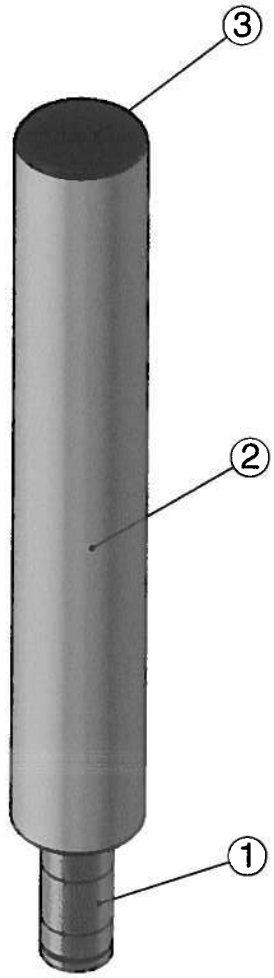
Filmcarriage J2000

Sheet scale:		Surf:	
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Hgr.	Sgr.	Serial No:	rev.
070	02	0012E	

S:\070-J2000 Jet\02-Montage undersamlinger\ 070-02-0012 Forstraeksvalse komplet Hvid

A4



Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*070-03-0015		Prestretch roller		1	5.446
2	070-05-0006		Coating beige	Walztex PVC-70/16 beige	1	0.326
3	4802-01-0002		Plastic plug	Ø90, L=25	1	0.054

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Tolerances: DS/ISO 2768

mm	Fin	Middel	Grov
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

Prestretch roller, Beige

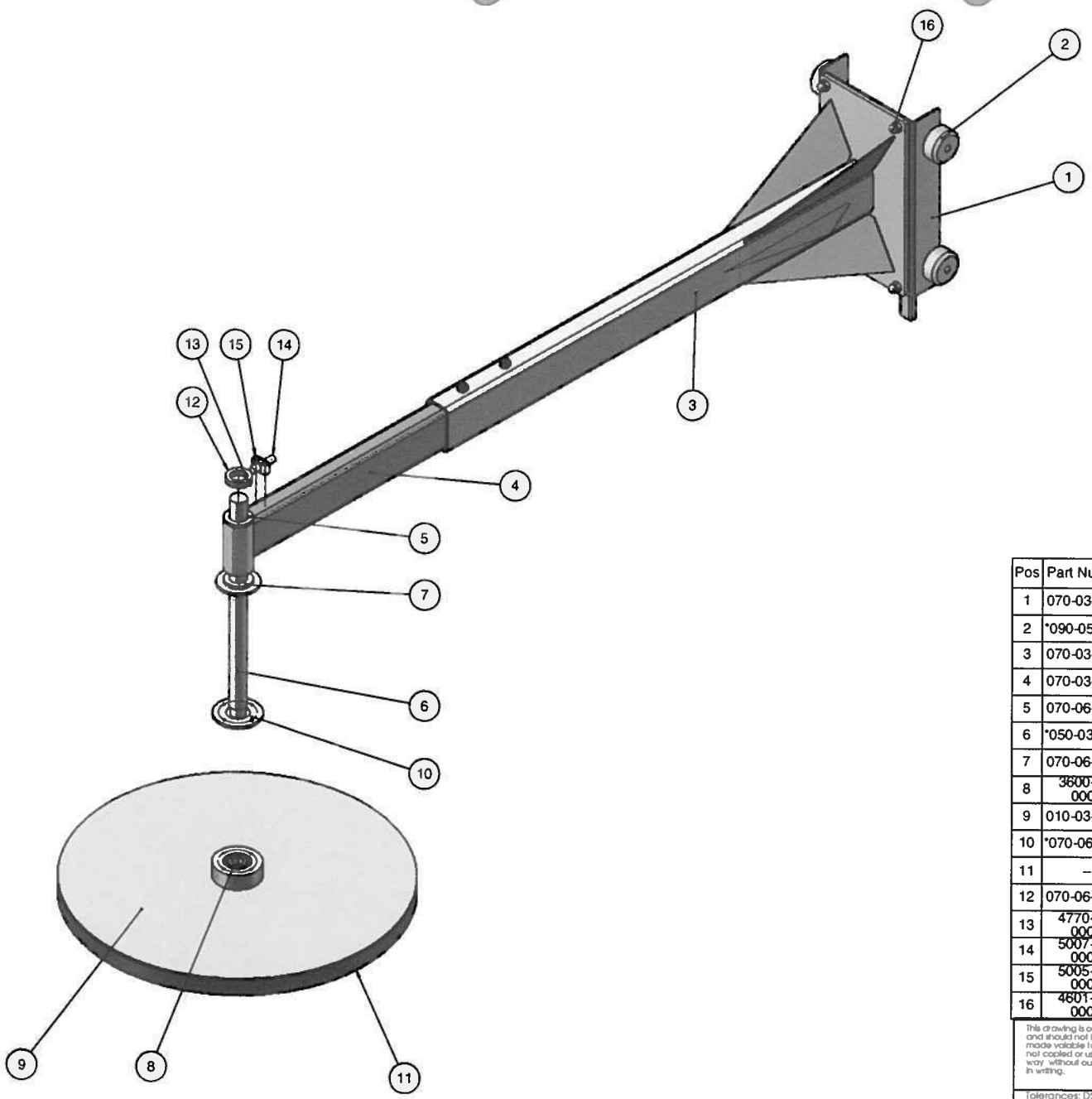
Filmcarriage J2000

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	Repl.	03.574.4	

Hgr.	Sgr.	Serial No:	rev.
070	02	0013E	

S:\070-J2000 Jet\02-Montage undersamlinger\070-02-0013 Forstraeksvalse komplet Beige

A4



Pos	Part Number	R	Title	Matr./Spec.	Pcs	Kg.
1	070-03-0035		Carriage for topclamp	L-R	1	4.018
2	*090-05-0012	A	Wheel fiber	Ø62.9, L=38	4	0.428
3	070-03-0037		Arm for topclamp - part 1		1	14.539
4	070-03-0038		Arm for topclamp - part 2		1	6.728
5	070-06-0041		Bush	Top clamp (round)	1	0.113
6	*050-03-0048		Shaft topclamp		1	2.616
7	070-06-0031		Ring	ø50x5	1	0.008
8	3600-21-0002		Bearing	1204	1	0
9	010-03-0049		Pressure plate		1	9.854
10	*070-06-0027		Cover for bearing housing		1	0.184
11	–		"Moos" foam rubber	30mm - Ø450	1	8.482
12	070-06-0050		Ring for Limit Switch		1	0.068
13	4770-04-0001		Socket set screw	M6x8 DIN 914	2	0
14	5007-01-0001		Bracket for M12 proximity switch		1	0.005
15	5005-03-0002		Proximity switch M12		1	0.006
16	4601-07-0003		Domed cap nut	M10	4	0

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

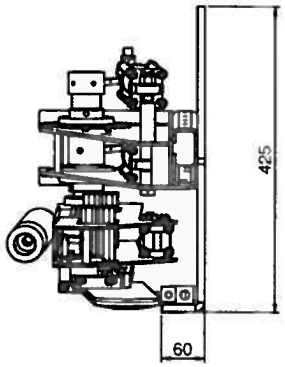
Top clamp L-R
Ø450
J2000

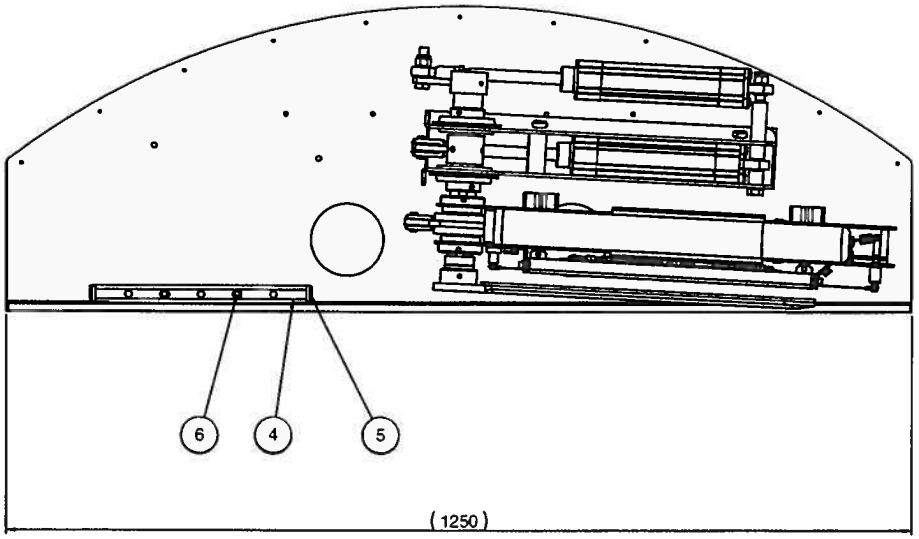
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1:5		Date	Sign
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	Konstr.		

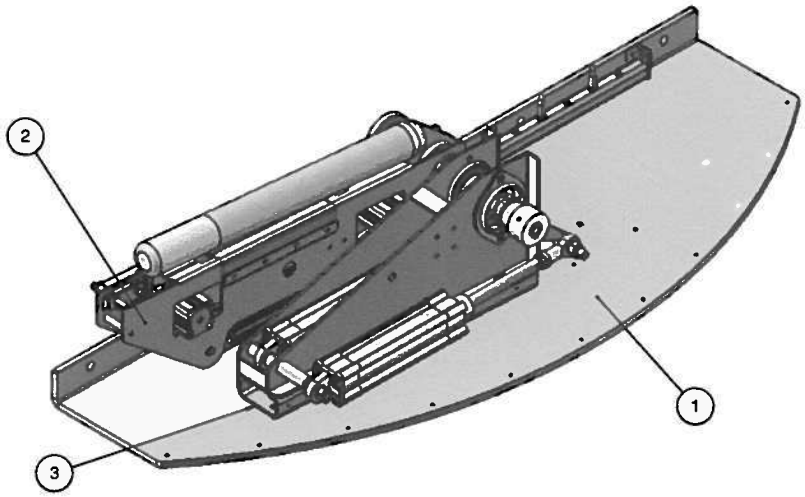
Hgr.	Sgr.	Serial No:	rev
070	02	0127E	A

070-02-0127 Holdeplade Ø450

A2







Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*060-04-0039		Bottomplate	Galvanized	1	38.28
2	060-02-0017		Retaining system L-R	Longitudinal threads	1	18.985
3	060-04-0058		C-profile L-R	80x35x40x4, L=482	1	2.44
4	060-02-0001		Manifold		1	0.597
5	*060-04-0055	A	Bracket for manifold		2	0.04
6	4811-01-0001		Air nozzle	Silvent 511 (1/8" Rc)	2	0.006

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mail@reo-pack.com www.reo-pack.com

Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

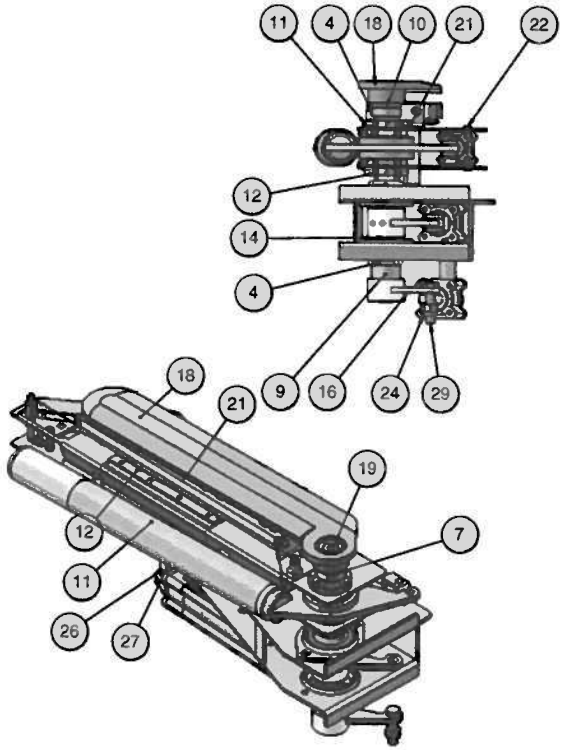
Filmretainer L-R

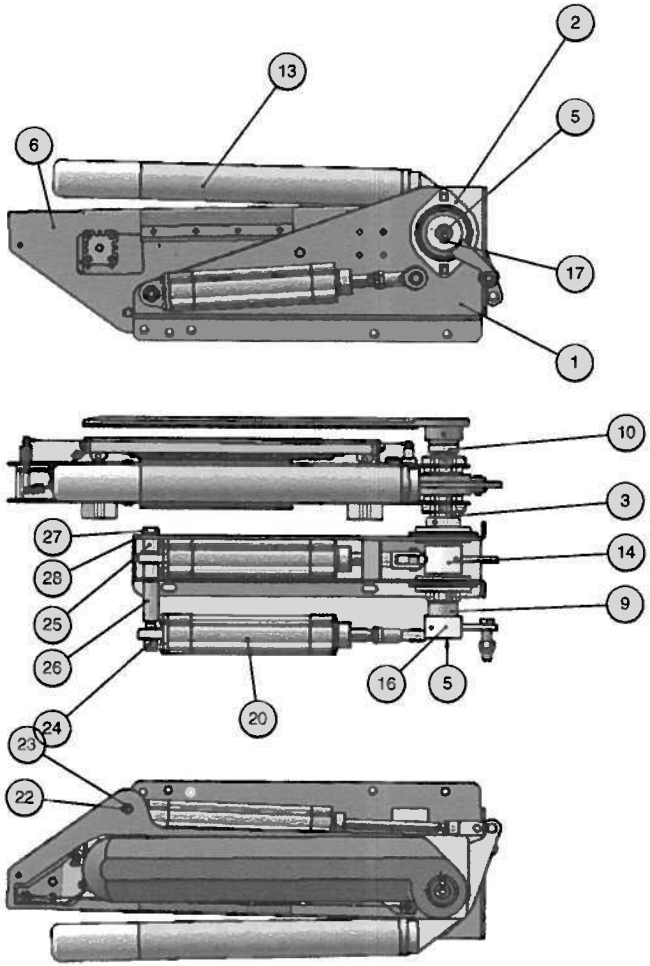
Longitudinal threads

Sheet scale:		Surf:	
		Date:	Sign
1:5	Date.	02-10-12	mr
	Kontr.		

Hgr.	Sgr.	Serial No:	rev
060	01	0041E	

A2





Pos	Part Number	R	Title	Matr./Spec.	Norgren/QTY.
1	*060-03-0029		Bracket L-R		1
2	4818-01-0001		Bearing	KDF PFL-207	2
3	*060-06-0030		Shaft 1	Ø35x207	1
4	3600-19-0010		Slide bearing Glacier	Ø25/ø22x20	2
5	*060-06-0031		Shaft 2	Ø40x301	1
6	*060-03-0038		Support for filmarm L-R		1
7	*060-05-0026		Keystock	10x6x24	2
8	*060-06-0029	A	Distance bushing	Ø10x54	1
9	*060-06-0027		Bush	Ø40/ø22,5x20	1
10	*060-06-0026		Bush	Ø40/ø22,5x11,5	1
11	060-04-0053		Neopren rubberplate	210x130x4	1
12	*060-04-0054		Mounting for rubberplate	L=210	2
13	*060-02-0016		Filmholder ISS	standard	1
14	*060-03-0037		Tensionarm for hallow shaft		1
15	4814-05-0006		Keystock	10x8 L=40	1
16	*100-03-0004		Tensionarm for shaft		1
17	4814-03-0008		Keystock	6x6 L=32	1
18	060-02-0046		Sword L-R	with glassfibre covering	1
19	4814-03-0006		Keystock	6x6 L=25	1
20	109-057-3		Pneumatic diagram J2000 ISS	Norgren	1
21	060-02-0048		Welding system L-R	Longitudinal threads	1
22	*060-06-0035		Shaft for cylinder	Ø10x60 2	1
23	4803-01-0007		Retaining ring	DIN 471 Ø10	2
24	4601-04-0002		Locking nut	M12	2
25	*060-06-0017		Spacer for bolt		2
26	*060-06-0036		Distance bushing	Ø20/ø12x55	1
27	4629-07-0001		Bolt DIN 931	M12, L=160	1
28	4750-02-0002		Washer DIN128A	M12	1
29	4630-07-0001		Bolt	M12x50	1

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Tolerances: DS/ISO 2768

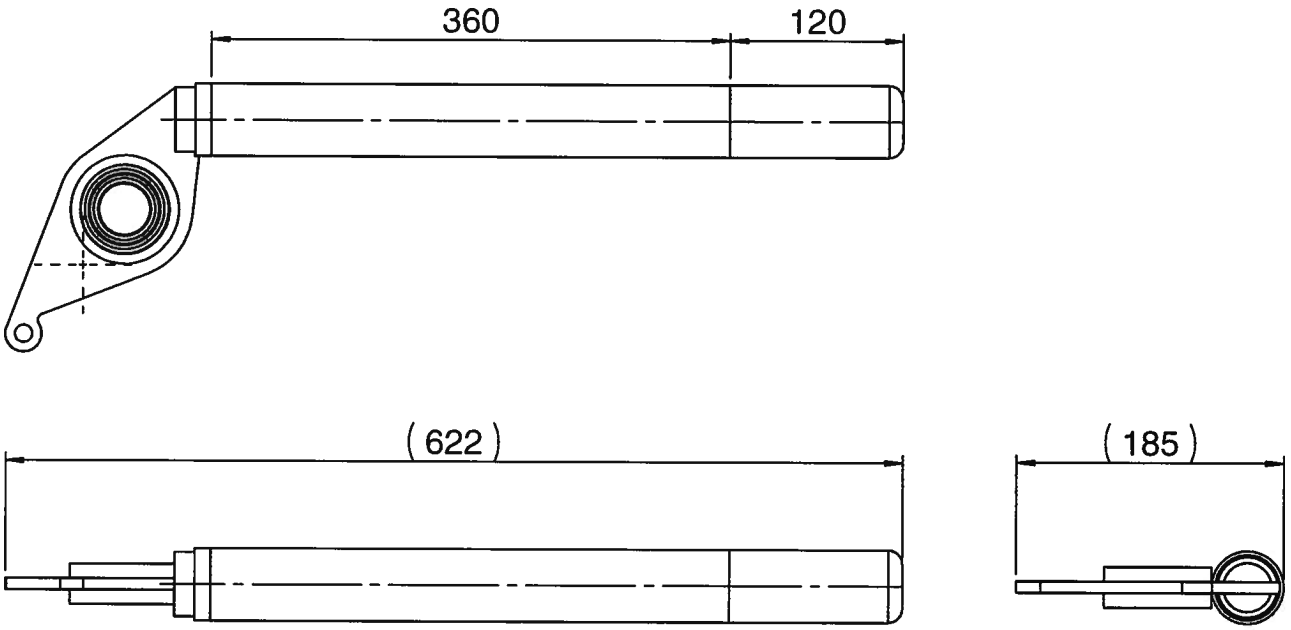
	F		rag
0.5-3	± 0.05	± 0.1	± 0.2
3-6	± 0.1	± 0.2	± 0.5
6-30	± 0.2	± 0.3	± 0.8
30-400	± 0.2	± 0.5	± 1.2
00-.000	±	± .8	± 2.

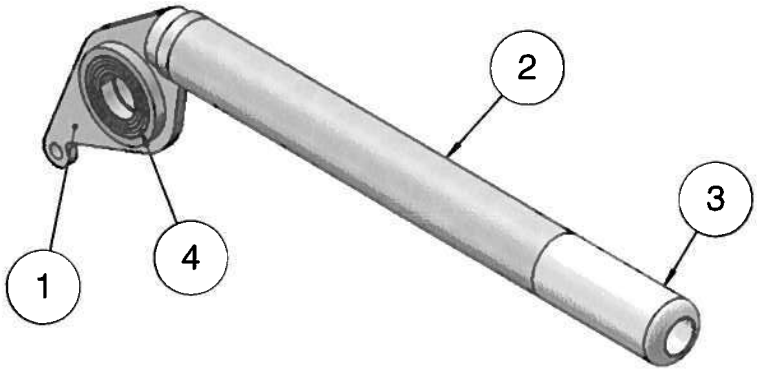
Retaining system L-R J2000 Longitudinal threads

Sheet scale:		Surf:	
1:5		Date:	Sign.
	Date:	01.10.12	hn
	Kontr.:		

Hgr.	Sgr.	Serial No:	rev.
060	02	0064E	

A2





Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*060-03-0035		Torquearm		1	1.052
2	060-05-0028	A	PVC tube	Ø50x1,8, L=360	1	0.089
3	*060-06-0033		Guide for filmarm	Ø50x120	1	0.21
4	3600-15-0016		Bearing	6007 RS (Ø62/ø35)	2	0

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Tolerances: DS/ISO 2768

mm	Fin	Middel	Grov
-6	± 0,05	± 0,1	± 0,2
>6-30	± 0,1	± 0,2	± 0,5
>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

Filmarm

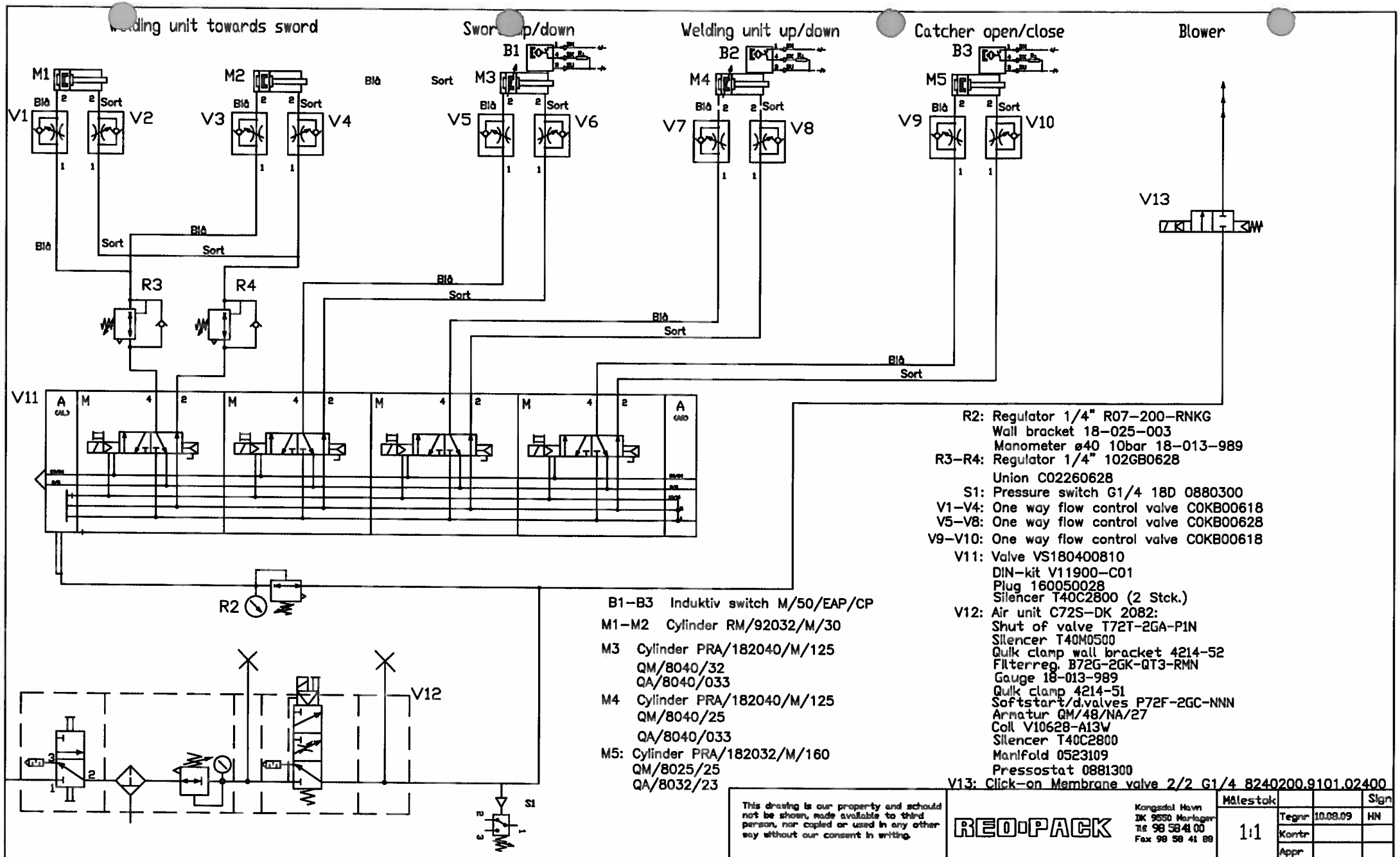
Filmretainer

Sheet scale:		Surf:	
1:5		Date:	Sign.
	Date:	05-05-09	dm
	Repl.	11.160.4A	

Hgr.	Sgr.	Serial No:	rev.
*060	02	0016E	

S:\060-Salg\02-Montage undersamlinger\060-02-0016 Foliearm Cpl.

A4



R2: Regulator 1/4" R07-200-RNKG
Wall bracket 18-025-003
Manometer ø40 10bar 18-013-989
R3-R4: Regulator 1/4" 102GB0628
Union C02260628
S1: Pressure switch G1/4 18D 0880300
V1-V4: One way flow control valve C0KB00618
V5-V8: One way flow control valve C0KB00628
V9-V10: One way flow control valve C0KB00618
V11: Valve VS180400810
DIN-kit V11900-C01
Plug 160050028
Silencer T40C2800 (2 Stck.)
V12: Air unit C72S-DK 2082:
Shut of valve T72T-2GA-P1N
Silencer T40M0500
Quik clamp wall bracket 4214-52
Filterreg. B72G-2GK-QT3-RMN
Gauge 18-013-989
Quik clamp 4214-51
Softstart/d.valves P72F-2GC-NNN
Armatur QM/48/NA/27
Coil V10628-A13W
Silencer T40C2800
Manifold 0523109
Pressostat 0881300
V13: Click-on Membrane valve 2/2 G1/4 8240200.9101.02400

B1-B3 Induktiv switch M/50/EAP/CP
M1-M2 Cylinder RM/92032/M/30
M3 Cylinder PRA/182040/M/125
QM/8040/32
QA/8040/033
M4 Cylinder PRA/182040/M/125
QM/8040/25
QA/8040/033
M5: Cylinder PRA/182032/M/160
QM/8025/25
QA/8032/23

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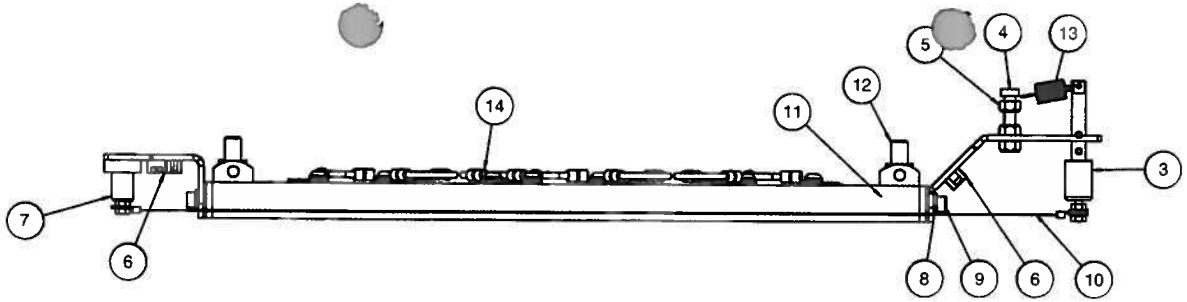
31.08.10	A	Rev.iht.Norgren 06.07.10

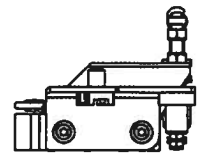
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Kongsdal Havn
DK 9550 Mariager
Tlf 98 58 41 00
Fax 98 58 41 89

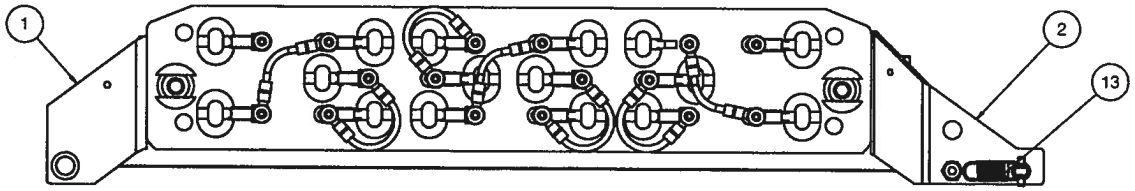
Pneumatic diagram for
J2000 ISS NORGREN
2xcyl. ADN32-30

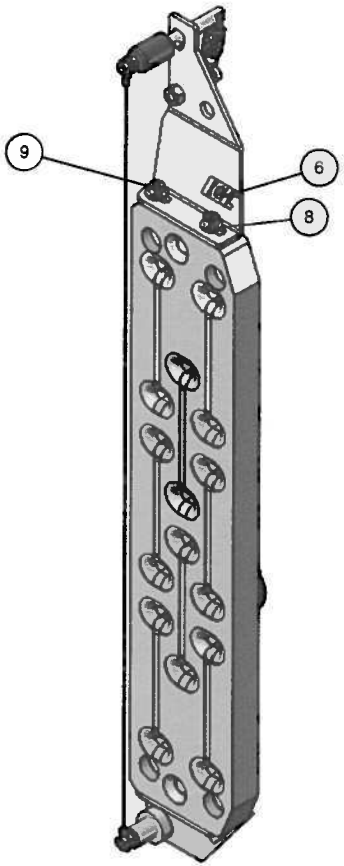
Målestok			Sign
1:1	Tegnr	10.08.09	HN
	Kontr		
	Appr		

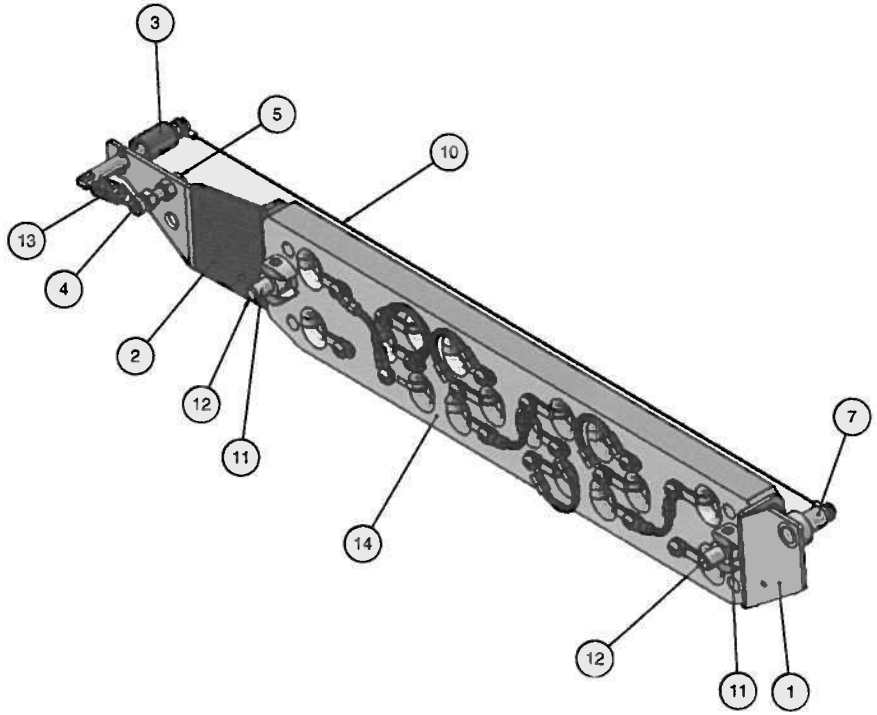
Hgr	Ugr	Del nr	Res
109	057	3 GB	A











Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	*060-03-0030	B	Angle hinge	L-R	1	0.129
2	*060-04-0041		Angle hinge	L-R	1	0.132
3	*060-02-0009		Isolator movable		1	0.023
4	4640-04-0002		Bolt unbraco DIN912	M6x30 (Inside 6-edge)	1	0
5	4601-04-0004		Locking nut	M6	3	0
6	5013-01-0001		Base for cable ties	Type TM1	2	0.002
7	*060-02-0010	A	Isolator fixed		1	0.003
8	4750-01-0005		Washer	M5	4	0
9	4640-03-0005		Bolt unbraco DIN912	M5X12mm	4	0
10	060-02-0008		Cutting wire	0.5 mm, C-C=530mm	1	0
11	*060-06-0020		Mounting bracket	Ø25x22mm	2	0.07
12	*060-06-0021		Hinge bracket	12x15x26	2	0.038
13	4806-03-0003		Pull spring	Ø1, Lo=31.4 (Sodemann 31630)	1	0
14	060-02-0047		Welding plate	Longitudinal threads	1	0

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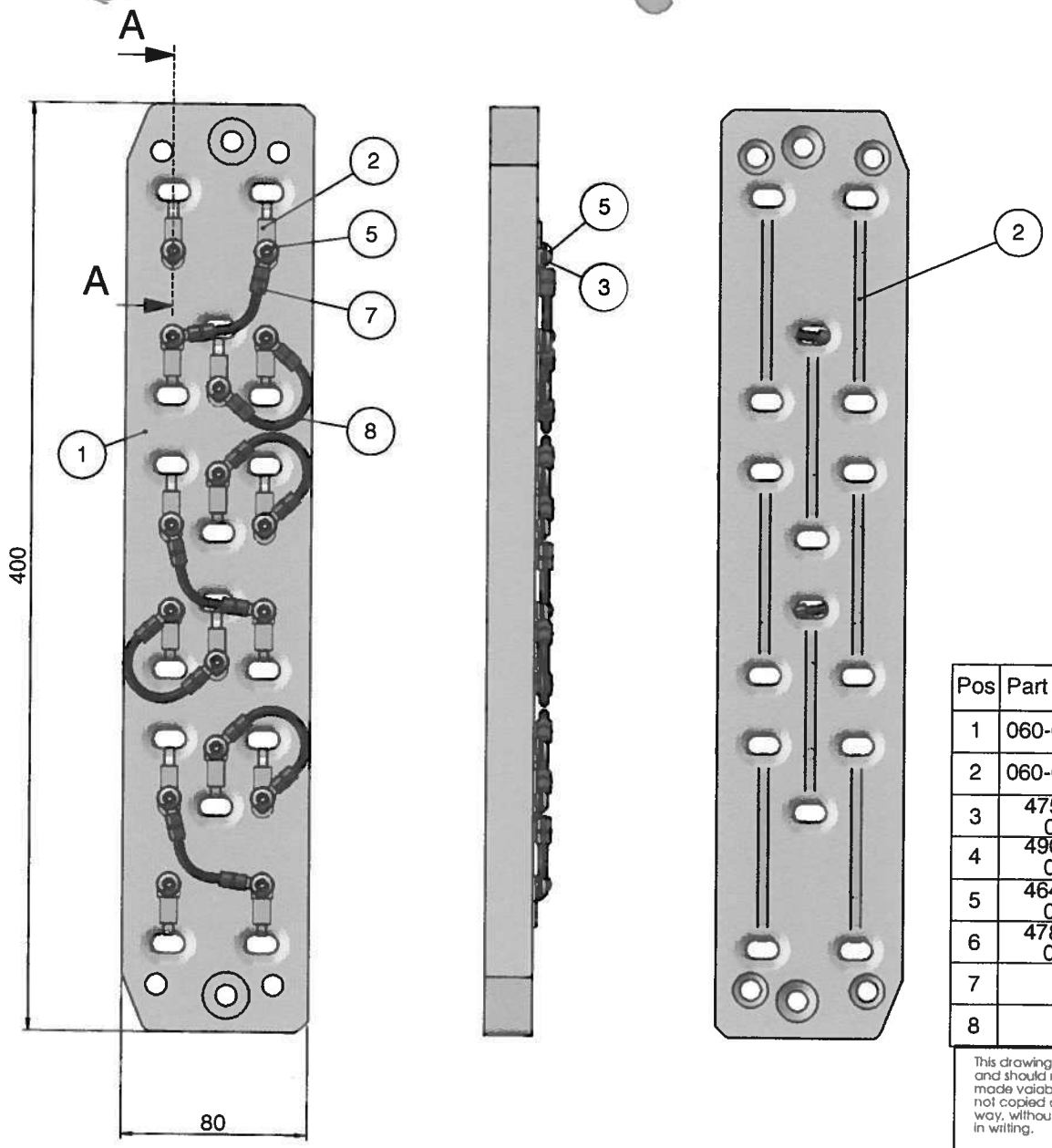
Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
-6	± 0.05	± 0.1	± 0.2
>6-30	± 0.1	± 0.2	± 0.5
>30-120	± 0.15	± 0.3	± 0.8
>120-400	± 0.2	± 0.5	± 1.2
>400-1000	± 0.3	± 0.8	± 2.0

Welding system L-R
Longitudinal threads

Sheet scale		Surf:	
1:2		Date:	Sign.
	Date.	14.11.11	hn
	Kontr.		
Hgr.	Sgr.	Serial No:	rev
060	02	0048E	

A2



Pos	Part Number	R	Title	Matr./Spec.	Pcs.	Kg.
1	060-05-0045	A	Welding plate-longitudinally	20mm Etranit II Q plate	1	0.316
2	060-02-0011		Heating thread 4x0,1	C-C=157	8	0.008
3	4750-04-0003		Washer facet DIN125A	M5	16	0
4	4901-01-0001		Teflontape Tygaflor 308 AP/0,3t	110x357	1	0
5	4640-03-0006		Round head unbraco elz.	M5x10	16	0
6	4782-01-0001		Threaded bush M5	Klee coil 302.000.050.160 Hardened/zinked	16	0
7	--		Wire with shoe	C-C=55	3	0.003
8	--		Wire with shoe	C-C=55	4	0.004

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Tolerances: DS/ISO 2768

mm	Fine	Medium	Coarse
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>30-120	± 0,15	± 0,3	± 0,8
>120-400	± 0,2	± 0,5	± 1,2
>400-1000	± 0,3	± 0,8	± 2,0

Welding plate

Longitudinal threads Jet

Sheet scale:		Surf:	
1:2		Date:	Sign.
	Date:	01-10-12	hn
	Repl.		

Hgr.	Sgr.	Serial No:	rev.
060	02	0047E	

S:\060-Sals\02-Montage undersamlinger\060-02-0047 Svejseplade monteret langsgående

A3